School Exams on the Second Term

2018/2019

(Answer Guide P. 24)

1	Correct the underline Human body is a good Second class levers som	conductor of electricity as it contain	ns <u>gases.</u> ((
3	does not reach Earth's	curs when the Moon's cone shadow surface.	
5	. ★Stoma is surrounded	by two wooden cells.	(
1	the red rays that can b	l lunar eclipse, the color of Moon to e absorbed form above the atmospl nd lunar eclipse attracts people's attention b	here of Earth. (

	the resistance is 6 cm. If the resistance has a value of 20 Newton, calculate of the affecting force and mention if this lever conserves effort or not. And	
	omplete the following sentences:	
1	Filament of light bulb is made of and that is because its is	high
1.	From examples of levers that are used to avoid dangers are	***********
3.	eclipse occurs when theis located between the Sun and E	arth
B) N	lention one function of:	
X.	Tweezers:	45)
7	The points of connection in the fluorescent lamp:	3878 1,138 1,15
3.	Stomata:	
C) h	the following figure, answer the following questions:	
a.	The electric circuit is circuit.	
b.	What is the way of connection if three lamps are connected	
	one after the other in one route in this circuit?	_
) W	rite the scientific term in front of the following:	
N.	Levers that have the resistance between the fulcrum and effort force. (et li terrei is
		· bladdkat (law
3.	It is the force exerted by a person to equilibrate the resistance. (
	Tupe of solar eclines in which we contract the Sun completely.	144470114475
B) (ive a reason for each of the following:	
1.	We shouldn't look directly at the Sun with the naked eye during the solar eclip	pse.
2.	Plugging more than one machine to one socket causes electric fire.	
3.	★ The concentration of salt solution inside the vacuole is greater than the conof salt solution in the soil.	cent
) W	hat happens when?	r)+>#r)+>&i+;
	You Insert a metallic bar in an electric socket.	
2.	The Moon lies in a higher orbit from the Earth.	M-MH4-m-mi

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى فالمسولة

Manual broom is considered aclass lever, but the	crowbar is aclass
 The type of levers that always do not conserve effort is 	, while the type of
that always conserve effort is	
2. The filament of the light bulb is made ofand that	t is because it has high
4. The electric shock occurs as a result of passing	through the
5phenomenon always occurs whenb a part of the Earth.	locks the sunlight from re
) Give a reason for each of the following:	
* There are two pieces of lead in the light bulb.	
2. Plugging more than one machine to one socket causes e	lectric fires.
3. The presence of stomata on the lower surface of the presence of the presenc	olant leaves.
) Write the scientific term in front of the following:	
A. A rigid bar that rotates around a fixed point and is affect	ed by a force and a resist
	(
2. Levers that sometimes conserve the effort.	(
3. One of the dangers of electricity is causing the damage	of tissues of the body.
	(
4. It occurs to the Moon when it completely enters the un	bra area of the Earth.
	(
5. A way of connecting light bulbs in branching routes.	(
Levers in which the resistance force lies between the effe	ort force and
the fulcrum.	(
A 2 nd class lever of force 100 Newton, its force arm of len	gth is 25 cm and its resist
500 Niewton; calculate the resistance arm.	

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	is a fixe	ed point that a rigid bar sits on.	
	a. Force	b. Fulcrum	c. Resistance
2.	The fluorescent lamp co	ntainsgas.	
	a. hydrogen	b. nitrogen	c. argon
3.	is one o	of the functions of levers.	
	a. Increasing force	b. Decreasing distance	c. Decreasing speed
4.	is an ex	cample of materials that are elec	ctric conductors.
	a. Wood	b. Plastic	c. Iron
5.	★ Each stoma is surroun	ided by two ce	lls.
	a. animal	b. guard	
	c. absorbing	d. leaf	
B) 1	Write the function or	importance of:	
	The inert gas in the elec		
		P444410111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
2.	The glass bulb of the lig	ht bulb.	
3.	★ The root system of th	e plant.	1111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	ut (✓) or (X):	Market Book Service Control of the C	**************************************
A) P		ricity are extinguished by water	
A) P	Fires resulted from elect	ricity are extinguished by water at the end of the lunar month.	
A) P 1. 2.	Fires resulted from elect	at the end of the lunar month.	
A) P 1. 2. 3. 4.	Fires resulted from elect The lunar eclipse occurs The soda water opener i We look at the Sun direc	at the end of the lunar month. s a second class lever. tly through the solar eclipse.	
A) P 1. 2. 3. 4. 5.	Fires resulted from elect The lunar eclipse occurs The soda water opener i We look at the Sun direc The distance between re	at the end of the lunar month. is a second class lever. tly through the solar eclipse. sistance and fulcrum is called re	
A) P 1. 2. 3. 4. 5.	Fires resulted from elect The lunar eclipse occurs The soda water opener i We look at the Sun direc	at the end of the lunar month. is a second class lever. tly through the solar eclipse. sistance and fulcrum is called re	
A) P 1. 2. 3. 4. 5. 6.	Fires resulted from elect The lunar eclipse occurs The soda water opener i We look at the Sun direc The distance between re	at the end of the lunar month. is a second class lever. Itly through the solar eclipse. Is istance and fulcrum is called resiductor of electricity.	
A) P 1. 2. 3. 4. 5. 6. B) W	Fires resulted from elect The lunar eclipse occurs The soda water opener i We look at the Sun direct The distance between re The human body is a con hat happens when	at the end of the lunar month. Is a second class lever. Itly through the solar eclipse. Is sistance and fulcrum is called resiductor of electricity.	esistance arm.
A) P 1. 2. 3. 4. 5. 6. B) W	Fires resulted from elect The lunar eclipse occurs The soda water opener i We look at the Sun direct The distance between re The human body is a con hat happens when	at the end of the lunar month. Is a second class lever. Itly through the solar eclipse, Is istance and fulcrum is called resolution of electricity. It is a second class lever. It is a s	esistance arm.



	sistance and the fixed point.	(
eting the electric energy to		(
rting the electric energy to		
the Moon comes between	the Earth and the Sun on one	straight l
		(
ss carried out by the plant	to produce its own food.	(
ig a second class lever eq	uals 200 Newton and the ler	ngth of its
stance with a value of 10	00 Newton, calculate the va	lue of the
i.		
ers states that	os.	
t lamp containsg	naterials that are electric con	ductors.
t lamp containsg	naterials that are electric con	
t lamp containsg are examples of n reen the solar eclipse a	naterials that are electric con and the lunar eclipse: Lunar eclips	
t lamp containsg are examples of n reen the solar eclipse a	naterials that are electric con and the lunar eclipse:	
t lamp containsg	naterials that are electric contant the lunar eclipse:	
	ss carried out by the plant g a second class lever eq stance with a value of 10	(***********************************

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والصوالة

	There are two pieces of lead in the light bulb.	erelmerelmer		
2.	Not placing flammable materials too close to the electric machines that g	ener	ate h	8
				45
B) (Correct the underlined words:			
-4.	The electric lamp converts the electric energy to the kinetic energy.	(148855514985144	41
2	There are three connecting points at each end of the light bulb ends.	(4.
7.	The glass bulb of the electric lamp contains hydrogen gas.	(-
4	The electric lamps are connected in the house in series.	(48 PP+1*8+H48	P
5.	★ Leaves extend in the soil and penetrate it to increase the surface area			
	of absorption.	(**************************************	
A) P	ut (✓) or (X):			
X.	The first class levers has the resistance between the force and the fulcrum.		(
2.	More than one type of solar eclipse can be observed.		(
13.	The crowbar is an example of the first class levers.		(
4.	* Plant loses water in the form of water vapor in the photosynthesis process.		(
B) V	Vhat happens when?			
	You make the filament of the light bulb from iron.			
2.	There is air inside the light bulb.			



() Choose the correct	t answer:		
1 Which of the follow	ving levers saves eff	ort? -	
a. Scissors	b. Nutcracker	c. Sweet holder	d. Coal holder
2. The electric wires	must be covered with	th	
a. glass	b. copper	c. wood	d. plastic
3. The phenomenon of		occurs in the	of the lunar mont
o. middle	b. end	c. beginning	d. quarter
		g flammable materi	als near to electric machin
that generate heat		The saids Con-	- Youding at intending
o. Electric shock		c. Electric fire	
B) A first lever is afform	ected by 10 New	ton force with an	arm of 10 cm length a
a resistance of 2	0 Newton.		
a. Calculate the leng	th of arm of resistar	ice.	
b. Does the lever sav	e effort? Why?		
			see mining a toke officers and mining and the
C) What happens wi	nen?		
1. The whole Moon e	nters the semi-shad	ed area of the Earth	
154 101111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
2. The filament of the	electric lamp is mo	ade of iron.	
3 A The cell manks		fabl i f	
3. * The cell membr	one of the root nair	s of the plant is not i	ound.
N. Campleta the fall	laudaa saataasa		
A) Complete the following			. At a sustainment and the second dis-
		class lever, while	the nutcracker is consider
as aclass 2. The light bulbs in t		etad in	
Z. The tight buttos in t			sh the human bodu.
3 Flectric shock occu		_	
Electric shock occu The solar eclipse of	occurs when the	minimum area = = = = 1 = = 1 = =	
4. The solar eclipse of			
4. The solar eclipse of	of this figure:		
4. The solar eclipse of B) Write the labels of 1	of this figure:		(1)
4. The solar eclipse of B) Write the labels of 1.	of this figure:		(1)

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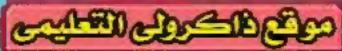
Harms		2860811811181118111111111111111111111111
P.O.C Duration	Solar eclipse	Lunar eclipse
) Complete between the solar	eclipse and the lunar eclip	se:
4. Electric wires are made of plas		(white the same of
Special glasses are used to obs		411101414400000
2. A fluorescent lamp contains the		***************************************
1. Plugging more than one machi		ric shock. (
3) Correct the mistake in each	and the second second	
when one of them burns out.		2000/0/442099/
4. A way of connecting the electr	ic lamps in which all the lamp	s are turned off
3. Materials that don't allow the	THE RESIDENCE OF A SECOND	THE RESERVE OF THE PERSON OF
2. The area that lies between the		
1. The fixed point on which the le		(manners)
Write the scientific term for	the following:	
4.		(4)
3.		
7.		(3)
1.		
3) Label the opposite figure:	W W W W W W W W W W W W W W W W W W W	and the survey of the survey o
4. The force may be equal to the	resistance in the first class lev	ers.
3. We should not look at the Sun	with the noked eye.	
2 \\\\ = = \parallel = -2 \bar{\parallel		
2. There must be a switch in the	electric circuit.	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1. Water is not used to put out el	lectric fires.	
) Give a reason for:		
2. Annular solar eclipse:		
3 Amerikan automotiva		

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الصف السادس الابتدائي

class lever, while the scissors are
en thecomes between the Earth and the Sun on surrounded by two guard cells.
en thecomes between the Earth and the Sun on surrounded by two guard cells.
urrounded by two guard cells.
ger than the arm of force of a lever.
ger than the arm of force of a lever.
lamp in an electric circuit in parallel.
es is found in the fluorescent lamp but not in the light bulb?
(Neon – Argon – Mercury vapor
rs has the force between the resistance and the fulcrum?
(Nutcrocker – Scissors – Sweet holder
save effort. (First – Second – Third
lb is mode of (iron – copper – tungsten
or the photosynthesis process.
(Nutcracker – Scissors – Sweetsave effort. (First – Second

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- 1. A tool used for converting the electric energy to light energy. 2. Fires that occur as a result of the increase in the temperature of the electric machines,
- (...... 3. It occurs to the Moon when it completely enters the shadow area of the Earth.
- 4. The fixed point of a rigid bar.
- The outer layer of the root of the plant.
- B) The force arm length of a third class lever is 5 cm and the length of the arm of the resistance is 15 cm. If the resistance has a value of 300 Newton, calculate the value of the affecting force.

4 A) Correct the underlined words:

- 1. Second class levers always don't conserve effort.
- 2. Annular solar eclipse occurs in the shadow area of the Moon.
- 3. Although crowbar is a third class lever, it conserves effort.

B) Look at the opposite two figures

(A & B), then answer in spaces below each one as required?

- 1. What is the way of connection in each circuit?
- 2. What happens when the light bulb number (2) in each circuit burns out?

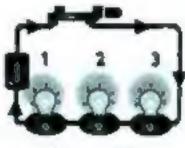


Figure (A)

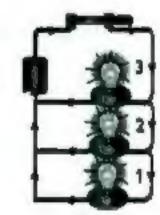


Figure (B)

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى فالتعليم





A) Complete:		
1. The light bulb consists of file	oment, and	
2. From precaution in dealing	with electricityand	
3. The lunar eclipse occurs wh	nen the Sun, Earth andin one strai	ight line and
in the middle.		
4. 🛧 The type of solar eclipse	differs due to the movement ofin	front the Sun.
5. 🛖 Plants make their own fo	ood during process.	
B) Classify the following made	chines according to the type of levers:	
1. Bottle opener	2. Hockey bot	
3. Water opener	4. Tweezers	
5. Wheelbarrow	6. Nutcracker	
A) Write the scientific term:		
1. A tool used to convert the	electric energy into light energy.	(
2. Fires that occur as a result o	of the increase in the temperature of electric	wires. (
3. An astronomical phenomen	non that occurs when the Earth, Sun and Mo	oon
are on one stroight line and	d the Moon in middle.	(
B) Correct the underlined v	words:	
1. Copper and iron are electr	ric insulators-	(
2. To connect lamps in parall	lel. they are connected one after another.	(
In the first class levers the re	esistance force is between fulcrum and effort f	force. (
	ea where the total solar eclipse occurs.	(
4. + Umbra is a semi-dark and	CO TITICIO CITO COTOL GALLE	

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" THIS THE WHOLE HIDON CHEELS THE ST	hadow area (umbra) of Earth, occi
a. partial lunor eclipse	b, total lunar eclipse
c. total solar eclipse	d, partial solar eclipse
2. Water can't be used to put out elect	tric fires because it is
 a good conductor of electricity 	b. a bad conductor of electricity
c. not cold	d, may evaporate
3. Which of the following gases is found	in the fluorescent lamp but not in light bulb?
a. Neon	b. Argon
c. Mercury vapor	d, Water vapor
4. 🛖 We can see a part of the Sun in the	8
a. umbra	b. penumbro
c. all the previous answers	d, no correct answers
	Make it Madely to depth galactic to be do
3. * The cell membrane of root hairs	has a selective permeability property,
3. * The cell membrane of root hairs A) The length of the force arm of a third	44 * 44 * 4 * * * * * * * * * * * * * *
A) The length of the force arm of a third	d class lever is 5 cm and the length of the arm
A) The length of the force arm of a third resistance is 15 cm if the resistance has	d class lever is 5 cm and the length of the arm as value of 300 Newton, calculate the value of
A) The length of the force arm of a third resistance is 15 cm if the resistance has affecting force.	d class lever is 5 cm and the length of the arm as value of 300 Newton, calculate the value of
A) The length of the force arm of a third resistance is 15 cm if the resistance has offecting force. B) Choose from column A what sui	d class lever is 5 cm and the length of the arm as value of 300 Newton, calculate the value of ts it from column B:
A) The length of the force arm of a third resistance is 15 cm if the resistance has affecting force. B) Choose from column A what sui (A)	t class lever is 5 cm and the length of the arm s value of 300 Newton, calculate the value of ts it from column B:

C) * Compare between:

Osmosis property and selective permeability.



) Complete the following question:	
1. The filament of the light bulb is made ofbecause it has high	h
2. Thelead to destroying the tissue of the body.	
3occurs when a part of the Moon enters the Earth's umbra.	
4. ** Root hairs extend from the and are lined from inside wit	h a thin layer of
3) Give a reason for:	
1. We shouldn't look directly at the Sun with the naked eye during th	e solar eclipse.
2. The glass bulb in the light bulb is filled with inert argon gas instead	d of air.
A) Write the scientific term:	
1. A rigid bar that rotates on a fixed point and is affected by a force and r	esistance. (
2. The type of levers that do not save effort.	(
A way of connecting the lamp and machines in houses.	(
4. The solar eclipse in which the Sun disappears completely.	(.pqdadaa
B) What's the importance of?	
1. The first class lever.	. vannyaannaaharbi- lad-ddadBhbbbb '#QUIII
	-4428
2. *Stomata.	

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2+2-

The force of 50 N affected a lever of	of the second class whose fo	rce arm is 20 cm, ca
the resistance if the arm of the re	esistance equals 5 cm.	Manager Court Colored that account the con-
Correct the underlined words	***************************************	
1. The electric lamp converts the el	lectric energy into kinetic en	ergy. (
2. Wood is considered a good cond	uctor of electricity.	(
3. The penumbra is the dark inner s	hadow area where the total	solar eclipse occur.
		(
4. * Plant absorbs <u>nitrogen</u> gas dui	ring the photosynthesis proce	ess. (
Communication		
Compare:		
Point of comparison	2 nd class levers	3rd class lever:
Definition	4-5644-8848664	ddthabblaam ttiannannal ar - amama
	* 20 ALA A LALA SAJA \$P\$++4 +++4 P\$++48844 BB4 2 Bb4 4 Bb4 2 Bb4 4	### ##################################
Definition	***************************************	### ##################################
	**************************************	######################################
Definition	**************************************	
Definition	**************************************	TEP IEPPIGEMARENDEMAPIONEPHINISSESSESSESSESSESSESSESSESSESSESSESSESSE
Example	**************************************	TEP IEPPIGEMARENDEMAPLES PROPERTIES OF SERVICE STATES OF SERVICE S
Example What happens when?		TEP IEPPIGEMARENDEMAPLES PROPERTIES OF SERVICE STATES OF SERVICE S
Example What happens when? The electric lamp contains the at	**************************************	THE INPOSE PROPERTY OF A PROPE
Example What happens when?	**************************************	THE INFERIOR HARDING HARDING THE TALL PROPERTY OF T
What happens when? The electric lamp contains the at	**************************************	THE INFERIOR HARMAN AND THE ANALYSIS AND
What happens when? The electric lamp contains the at there december manners specific physics the at the second physics of the atlant physics the atlant specific physics of the atlant physics of the	**************************************	THE INFERIOR HARDING HARDING THE TALL PROPERTY OF T
What happens when? The electric lamp contains the at	**************************************	THE INFERIOR HARMAN AND THE ANALYSIS AND

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my

Write the scientific term:	
 A flow of electric charges that passes through a conducting material. 	(
Levers in which effort force lies between the resistance force and the force.	ulcrum.
	(
3. An area that if the whole Moon is located in, there will be no eclipse.	(
4. It is a way in which the light bulbs are connected one after another in one r	oute. (
5. Distance between the effort force and the fulcrum.	(
6. Closed and continuous path through which electric current passes	
making a complete cycle.	(
) Give a reason for:	
1. Lamps are connected in parallel at home.	
	301111 37
2. There is no annular lunar eclipse.	
3. Crowbar is a first class lever.	
5, Crowbor is a first class lever.	****
) What happens when?	
1. Force arm equals resistance arm.	

B) Problems:

- A lever has an effort force of 50 Newton, and the length of its force arm is 20 cm. If it is affected by a resistance force of 20 Newton, then:
- a. Colculate the length of resistance arm.

3. Filament of the light bulb is made of iron.

b. Does this lever conserve effort or not? And why?



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2+2.0

3	Con	plete the following sentences:	
	1.	Glass tube of the fluorescent lamp is filled with and	
	2.	The duration of solar eclipse is about, while duration of lunar eclipse about	pse is
	4.	and ore some of the dangers of direct electricity. The lever is a bar that rotates around a fixed point called	
		The wheelbarrow is a class lever, while the poddle is a base and base.	class lever.
4	A) C	orrect the underlined words:	
	1.	The human body is a good conductor of electricity as it contain gases.	()
	2.	Plugging more than one machine to one socket causes electric burn,	(
	3.	During the start of total lunar eclipse, the Moon tends to be yellow.	(
	4,	The third class lever always saves effort.	(
	5.	The simple electric circuit consists of a battery, a lamp and an insulator .	(
	6.	★ The plant loses water in form of water vapor during the photosynthesis process.	()
	B) V	Vhat is meant by?	
	-	The solar eclipse.	
		3F \$100 300 - 30000 B - 4	448) 44-) 48 4461 BI 46) 46
	C) L	abel the following figure:	[6]
	1.	(1)—(1)	(5)
	2.		
	3.	THE MALE COLUMN	
	4.	(3)————————————————————————————————————	9
	5.		
	6.	THE THE SECOND S	



A	() Complete the following question:
	1. Tweezers are considered aclass lever but the wheelbarrow is aclass le
	2. There are two ways for connecting lamps, connecting in
	3. The light bulb consists of the tungsten filament, and
	4. The solar eclipse phenomenon occurs when the is located between the
	and the Sun on one stroight line.
	5. Root hairs absorb water from the soil by the property of
1	B) The exerted force of a balanced lever equals 50 Newton and the length of its arm is 2
	and is affected by a resistance with a value of 20 Newton, calculate the length of the a
	of its resistance.
	(Write the law).
	- 44444444 - 55-555-55 -7- 544-51
1	A) Correct the underlined words:
ĺ	1. The hockey but is used to decrease speed.
	2. The phenomenon of lunar eclipse occurs in the starting of the lunar month. (
	3. The first scientist who described the lever is Newton (
	4. The force is a fixed point that the bar rotates on.
	B) Give a reason for:
	1. The filament of the light bulb is made of tungsten.
	2. The first class levers sometimes conserve effort.
	3. The Each stoma is surrounded by two guard cells.

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2+2

o light energy.	(- Januar - Parkettisher
ncreasing distance.	,
ire Moon falls in the shado	ow of the Earth.
	C washed the fear
urs as a result of the increa	ose in the
	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
wer the following que	estions:
class lever.	te
	Resist
Fulcrum	
(oxygen - nitrogi	en – mercury vo
	– an hour – 2 ha
	rst – second – th
circuit in series with increa	ising the numbe
(decreases – increases	 remains const
air is characterized by	lddshabrassaus. J
thesis – selective permeabi	ility – tronspirot
t.	
naked eye for a long time	
	exceed (seven minutes of the fulcrum in the (final circuit in series with increases our is characterized by

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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى العليمية المعلقة المرى العليمية المعلقة المراقعة ا

A) Write the scientific ter	m:		
1. One of the dangers of the	electricity is that it dest	rous the tissue of the bo	ody. (
2. It occurs when the Moon comes between the Earth and the Sun on one straight line			
3. It's the measuring unit o	f resistance and force o	f effort.	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
4. The materials that allow	v the flow of electricity	through them.	(
5. A way of connecting the lamps and machines in houses.			(***** ******* ********
The levers that sometime	es conserve effort.		(-400 -) 466ssssl
7. * The process by which	plants lose the excess	water.	(
B) A third class lever of 200	Newton force and its o	orm is 5 cm offects on	a resistance
of 100 Newton, calculat			
balanced.			
potonceo.			
C) Mention two function	s of the levers.		
1		2	
S section of the sect	14		
A) Choose the correct an			
1. Lunar eclipse is formed i	in the of th	ne lunar month.	
a. beginning	b. middle	c. end	d. after 5 days
2. The fluorescent lamp co	b. middle ontains the inert	gos.	
2. The fluorescent lamp co	b. middle ontains the inert	c. argon	d. after 5 days d. helium
2. The fluorescent lamp coa. hydrogen3. Which lever does not co	b. middle ontains the inert b. nitrogen onserve effort?	c. argon	d, helium
2. The fluorescent lamp coa. hydrogen3. Which lever does not coa. Wheelbarrow	b. middle ontoins the inert b. nitrogen onserve effort? b. Nutcrocker	c. Manual broom	d, helium d. Bottle opens
 The fluorescent lamp contains. hydrogen Which lever does not contain. Wheelbarrow Electric	b. middle ontains the inert b. nitrogen onserve effort? b. Nutcrocker sults when your body is	c. argon c. Manual broom a part of an electric o	d, helium d. Bottle opene
 The fluorescent lamp contains a hydrogen Which lever does not contain. Wheelbarrow Electric restains restain. 	b. middle ontains the inert b. nitrogen onserve effort? b. Nutcrocker sults when your body is b. shock	c. argon c. Manual broom a part of an electric c	d, helium d. Bottle opens
 The fluorescent lamp contains an hydrogen Which lever does not contain. Wheelbarrow Electric	b. middle contains the inert b. nitrogen conserve effort? b. Nutcrocker sults when your body is b. shock ces to one socket	c. argon c. Manual broom a part of an electric c c. burn may cause.	d. helium d. Bottle opene ircuit. d. insulator
 The fluorescent lamp coon. hydrogen Which lever does not coon. Wheelbarrow Electric	b. middle b. nitrogen b. nitrogen b. Nutcrocker sults when your body is b. shock ces to one socket b. electric overload	c. argon c. Manual broom a part of an electric c c. burn may cause. c. fires	d. helium d. Bottle opene ircuit. d. insulator d. (a), (b), (c)
 The fluorescent lamp coon. hydrogen Which lever does not coon. Wheelbarrow Electric resonant resonan	b. middle b. nitrogen b. nitrogen b. nitrogen b. Nutcrocker sults when your body is b. shock ces to one socket b. electric overload ials allow the flow of the	c. argon c. Manual broom a part of an electric c c. burn may cause. c. fires ne electric current exce	d. helium d. Bottle opens ircuit. d. insulator d. (a), (b), (c)
 The fluorescent lamp cond. hydrogen Which lever does not cond. Wheelbarrow Electric restant res	b. middle b. nitrogen b. nitrogen b. Nutcrocker sults when your body is b. shock es to one socket b. electric overload ials allow the flow of the	c. argon c. Manual broom a part of an electric c c. burn may cause. c. fires ne electric current exce c. rubber	d. helium d. Bottle opene ircuit. d. insulator d. (a), (b), (c)
 The fluorescent lamp coon. hydrogen Which lever does not coon. Wheelbarrow Electric resonant resonan	b. middle b. nitrogen b. nitrogen b. Nutcrocker sults when your body is b. shock es to one socket b. electric overload ials allow the flow of the	c. argon c. Manual broom a part of an electric c c. burn may cause. c. fires ne electric current exce c. rubber	d. helium d. Bottle opene ircuit. d. insulator d. (a), (b), (c) ept





2+2

B) Give a reason for:	
1. We should not look	directly at the Sun with the naked eye during the solar eclipse.
2. There are two point	s of connection at each tip of the fluorescent lamp.
A) Complete the follo	wing sentences:
1. During lunar eclipse	lies between and ,
2. The filament of the	lamp is made ofas it has point.
	has only one path when the light bulbs are connected in
	of the shadow, the light source cannot be seen completely.
	the electric fire with water because water is of electricit
B) What happens whe	en?
	ters the semi-shoded area of the Earth.
* 14.	
 One of the electric I. 	amps burns out, while it is connected in parallel with the other.
3. * The absence of gu	ard cells which surround the stomata in the plant's leaf.
3. ★ The absence of gu A) Put (√) or (X): 1. If the arm of force is s 2. You must leave an elect 3. The Moon is colored 4. Coal holder is used t 5. The human body is a	chard cells which surround the stomata in the plant's leaf. Shorter than the arm of resistance, then the lever conserves effort. (Ctric machine connected with the electric current while taking a both. (I in blue at the start of the total lunar eclipse. I a avoid dangers. I good conductor of electricity. I inverts the light energy to electric energy.
3. ★ The absence of gu A) Put (√) or (X): 1. If the arm of force is s 2. You must leave an elect 3. The Moon is colored 4. Coal holder is used t 5. The human body is a 6. The electric lamp co	chard cells which surround the stomata in the plant's leaf. Shorter than the arm of resistance, then the lever conserves effort. (Ctric machine connected with the electric current while taking a both. (I in blue at the start of the total lunar eclipse. I a avoid dangers. I good conductor of electricity. I inverts the light energy to electric energy.
3. ★ The absence of gu A) Put (√) or (X): 1. If the arm of force is s 2. You must leave an elect 3. The Moon is colored 4. Coal holder is used t 5. The human body is a 6. The electric lamp co	chard cells which surround the stomata in the plant's leaf. Shorter than the arm of resistance, then the lever conserves effort. (A ctric machine connected with the electric current while taking a both. (I in blue at the start of the total lunar eclipse. A covoid dangers. A good conductor of electricity. Anverts the light energy to electric energy. (a) (b) (a)
3. ★ The absence of gu A) Put (√) or (X): 1. If the arm of force is at 2. You must leave an election of the second of the sec	chard cells which surround the stomata in the plant's leaf. Shorter than the arm of resistance, then the lever conserves effort. (Actric machine connected with the electric current while taking a bath. (In blue at the start of the total lunar eclipse. It is avoid dangers. It is good conductor of electricity. Inverts the light energy to electric energy. (a) (b) (a) (b) (b) (c) (c) (c) (d)
3. ★ The absence of gu A) Put (√) or (X): 1. If the arm of force is at 2. You must leave an election and a colored 4. Coal holder is used to 5. The human body is at 6. The electric lamp coal beautiful and the figure, the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure, the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the coal beauti	chard cells which surround the stomata in the plant's leaf. Shorter than the arm of resistance, then the lever conserves effort. (Actric machine connected with the electric current while taking a bath. (In blue at the start of the total lunar eclipse. It is avoid dangers. It is good conductor of electricity. Inverts the light energy to electric energy. (a) (b) (a) (b) (b) (c) (c) (c) (d)
3. ★ The absence of gu A) Put (√) or (X): 1. If the arm of force is at 2. You must leave an election and a colored 4. Coal holder is used to 5. The human body is at 6. The electric lamp coal beautiful and the figure, the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure, the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the figure of the coal holder is used to 5. The electric lamp coal beautiful and the coal beauti	shorter than the arm of resistance, then the lever conserves effort. (ctric machine connected with the electric current while taking a both. (In blue at the start of the total lunar eclipse. to avoid dangers. good conductor of electricity. niverts the light energy to electric energy. hen write the labels: (a) (a) (b) (c) (c) (d) (d)



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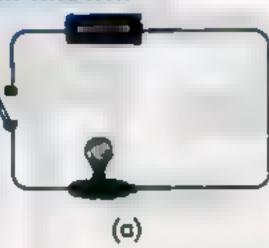
A) Choose the correct answer:

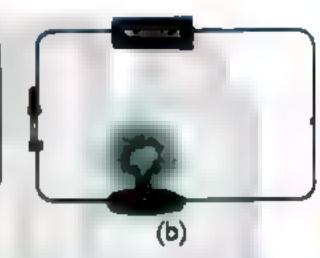
- 1. Duration of lunar eclipse extends for more than (6 4-2)....... hours.
- 2. The filament inside the electric lamp is made of (aluminum tungsten iron)......
- 3. The scissors are two levers of the (first second third)...... class lever.
- 4, Solar eclipse always occurs (during day during night at dawn),
- ★ Losing water from plant is called theprocess.

(photosynthesis - transpiration - asmosis)

B) The device which is drawn is well-known:

- Give a name to this device.
- 2. What happens in case that any of the parts are not connected?





2 A) Choose from column (B) which suits in column (A):

(A)	(B)
1. Most electric machines produce	a) the partial lunar eclipse occur
	6 \ b = = 6

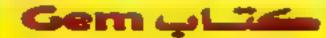
1. Most electric machines produce	a) the partial lunor eclipse occurs.
2. Coal holder is a lever used to	b) heat.
3. Electric lamp is prevented from air to burn its filament by	c) avoid dangers.
4. When a part of the Moon enters the shadow area of the Earth,	d) the glass bulb.

B) Write the scientific term:

- 1. Materials that allow the flow of electricity through them.
- 2. Injuries caused by electricity which are not a direct cause.
- Small holes that are widely spread on the lower surface of the leaf.

GEM / Science / Primory 6

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والعبولية





2+2-

1. Most electric lamps contain argon gos inside.	
Print a comment of the comment of th	talah Majarjan ny maja
2. Second class levers always conserve the effort.	
707 - 1188 - 118 -	e spr. s
B) Correct the underlined words:	
1. Connecting the electric lomps in the house must be in series.	(*********** *** **
2. Solar eclipse occurs when the Earth comes between the Moon and the S	iun. (
3. Light becomes bright when we connect more than one bulb in series.	(,,, .
4. Fluorescent lamp contains <u>oxygen</u> gas inside.	(
5. * Plant absorbs nitrogen gas during the photosynthesis process.	(
A) Put (/) or (X):	
1. Lunar eclipse causes harms to the eyes.	(
2. We must not play with electric connections.	(
3. Copper and iron are insulators to electricity.	(
4. Third class levers do not conserve the effort.	(
8) Complete the following:	
1. Lunar eclipse can be seen from any place on the and when it st	arts the col
the Moon tends to be	
2. * The cell membrane of the root hair has property which allow	ws some sal
pass through.	



) Complete the followi	ing sentences:	
1. The nutcracker is an ex	cample of thelevers.	
2is a fixed poin	t that a rigid bar rotates on.	
3. In the case of connection	ng the lamps in the lighting of the lamps d	ecreases
their increase in numbe	er.	
4eclipse is form	ned when part of the Moon enters umbra of the Ear	th.
B) Give a reason for:		
1. We should not look at	the Sun with the naked eye during the solar eclipse.	
4. 4. 4. 4.		**** * **** **
2. Some levers are import	tant although they do not conserve effort.	ps
4. *4. * * * *4. Ma.	- 10	
		· · · srar ·
) Write the scientific to	erm:	
1. Distance between the	fulcrum and the resistance.	(
2. Levers sometimes cons	serve the effort.	(
3. One of the dangers of the	e electricity is that it destroys the tissues of the body.	(
4. It occurs when the Moor	n lies between the Earth and the Sun in one straight line.	(
3) What happens when	?	
1. The force equals to the	e resistance in the first class lever.	
· contract of the contract of	****** ** ** ** ** ** ** ** ** ** ** **	. 41
You insert a metallic b	ar in an electric socket.	

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والعبولية

2+2-9

1. The fluorescent lamp containsgas.	(oxygen – argon – chlo
2. The phenomenon of the lunar eclipse occurs in the	of the lunar month.
	(first – middle –
3. The filament of the light bulb is made of	(tungsten – copper –
4. Seesaw is fromclass levers.	(first - second - t
5. * The plant gets mineral salts through	
(selective permeability	– osmosis property – transpira
B) What is the importance of?	
1. A glass bulb in the light bulb.	
THE ON ANY AND A CONTRACT THE ANALYSIS OF THE	. 50 4888-5 445 - ABBY ABBY -
2. Second class lever.	
A) Correct the underlined words:	THE PERSON NAMED IN THE PE
1. The lunar eclipse occurs two times each month.	(
2. The electric lamp changes the electric energy into kin	netic energy. (
3. Rubber is from the materials that allow the flow of el	ectricity through It. (
4. Solar eclipse duration does not extend more than two h	ours and forty seconds. (
5. * Plants carry out the photosynthesis process to get	rid of excess water. (
B) The length of the force arm is 5 cm and the length of	the resistance is 15 cm. If
the resistance has a value of 300 Newton, calculate t	he value of the affecting force



A) Comp	lete the following question:
1. If the	e length of effort force arm is longer than the resistance arm, so the effort force is
	, than the resistance force.
2	
3	occurs when the whole Moon enters the Earth's umbra.
4 Ti	ne outer layer of root is called

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B) Lever has fulcrum between resistance force and effort force if the effort force is 200 Newton and length of force arm is 2 cm.

Calculate the value of resistance force if the length of resistance arm is 4 cm. Does this

Calculate the value of resistance force if the length of resistance arm is 4 cm. Does this lever conserve effort or not?

A) Write the scientific term:

	1. It is an astronomical phenomenon which occurs when the bun, Earth and	
	Moon are nearly on a straight line with the Moon in the middle.	()
	2. The distance between fulcrum and resistance.	(
	3. They are burns that result from electricity and cause the damage of	
	body tissues.	(
	4. It occurs when part of the Moon enters the Earth's umbra.	()
	5. 🖈 The losing of water in the shape of water vapor from the plant leaves	. (
3	What happens when?	
	1. You touch a non-insulated wire that has an electric current.	

(84)

GEM / Science / Primary 6

مذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى المعلقة

Effort × its arm does not equal to resistance × its arm.

حکتاب Gem

EAH BERN

الصف السادس الابتدائي

	Choose the correct answer: We can observe the lunar eclipse who	an the Moon shoes is the	
	a. crescent	b. 1* quadrature	
	C. full Moon	d. new Moon	
2.	From levers which conserve effort is .		
	a. manual broom b tweezers	c. wheelbarrow	d. coal holder
3.	The lunar eclipse occurs	relations bear 0	
	a. twice per year	b. once every 21 y	ears
,	c. we cannot predict it	b. once per month	
4.	Levers were first described in 260 BC	by the Greek scientist	
	a. Tomes alpha Edison	b. Newton	
	C. Archimedes	d. Bohr	
B)	Compare between the first class	lever and the third cla	ass lever:
	P.O.C	First class lever	Third class leve
	Example		equana an ablumradumum rivari (ubidabela
A)	Look at the figure in front of you	J, then answer:	.max am am ambambamadh amamh incimhida
	(1) points to		
	and its function	ш.	
	(2) points to	4.	(1)——
	and its is made of	mandas.	(2)
	(3) points to	a-	
	(a) bourse co minimum		
	and its function		(3)

GEM / Science / Primary 6





3. We shouldn't look directly at the Sun with the naked eye during the solar eclipse.

A) Complete the following sentences:	
1. The fluorescent lamp contains gas and little of	pulp
2. When the arm of force equals the arm of resistance, the is	equal to the
3. When a part of the Moon enters the Earth's umbra, pher	nomenon occurs, w
phenomenon occurs when the cone shadow of the Moor	n does not reach
the Earth's surface.	
4. The filament of the bulb is made of and that is because i	it has a high
B) What happens when?	
1. We put out the electric fires by water.	
2. The light bulbs in the house are connected in series.	4
A) Write the scientific term:	
1. One of the dangers of electricity causing damage to the tissues of	f the body.(
2. Materials that allow the flow of electric current through them.	(betalesses) 4. 18 m
3. The solar eclipse in which the Sun disappears completely.	(
4. A method when electric lamps are connected one after another.	(,,,,,,,,,
B) Look at the figure, then answer the following:	
1. The figure represents	
2. Write the labels:	
1	d of
3	
3. The part no. (2) should be so that	(2)
the light bulb glows.	

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والعبولية والمعمل العمل العبولية والمعمل العبولية والمعمل العبولية والمعمل العبولية المعمل العبولية العب





2+2

	The of the lottown	g is from the second class lever	**************************************	
_	a. Seesaw.	b. Wheelbarrow.		
2.	The duration of the lu	unar eclipse is	that of the solar eclipse	.
	a. longer than	b. shorter than	c. equal to	
3.	The force arm is some	etimes equal to the resistance o	ım in	class leve
	a, first.	b. second	c. third	
4.		r eclipse is formed when the M	oon is located in an orb	it higher
	the Earth.	. *		
	a. Total	b. Partial	c. Annular	
B)	Give a reason for:			
1	. There are two piece	s of lead in the light bulb.		
	<u>.</u>			
2	. The third class lever	does not conserve effort.		
	11 14 1 1 mole 14		71 %	
	3. The presence of h	ighly concentrated sap vacuale	in root hairs	16 4-6 4446 46
		ightig contests of our vocasors	an root non s.	
	#		214- 4	147 -445 184-
	Mention the function	on of levers in:		
7.	Tweezers:			
-	Mineralization	- HH4- * SH #		
2.	Nutcracker:	MINTEL 1888 W. &		
3.	Hockey bat:			
2. 3. 4.				
4.	Hockey bat:	ion top reddello-op de op de		
ь. В)	Hockey bat: Manual broom: Correct the underli	ion top reddello-op de op de	month.	(-44440414004-14044144
ь. В) (Hockey bat: Manual broom: Correct the underlied. The lunar eclipse occurrence.	ned words: curs at a rate of two times <u>per r</u>		,
4. B) (Manual broom: Correct the underlie The lunar eclipse oce Annular solar eclipse	ned words: curs at a rate of two times per recocurs in the semi-shaded area	of the Moon.	(,
4. B) (1 2	Hockey bat: Manual broom: Correct the underlie The lunar eclipse occ Annular solar eclipse Fires resulted from e	ned words: curs at a rate of two times per records in the semi-shaded area lectricity are put out by water.	of the Moon.	(,
4. B) (1 2 3	Hockey bat: Manual broom: Correct the underlie The lunar eclipse occ Annular solar eclipse Fires resulted from e	ned words: curs at a rate of two times per recovers in the semi-shaded area electricity are put out by water. has the resistance between the	of the Moon.	(
4. B) (1 2 3	Hockey bat: Manual broom: Correct the underlie The lunar eclipse occ Annular solar eclipse Fires resulted from e	ned words: curs at a rate of two times per records in the semi-shaded area lectricity are put out by water.	of the Moon.	(
4. B) (1 2 3 4 5	Hockey bat: Manual broom: Correct the underlie The lunar eclipse occ Annular solar eclipse Fires resulted from e The first class lever l The membrane of	ned words: curs at a rate of two times per recovers in the semi-shaded area electricity are put out by water. has the resistance between the	of the Moon.	(
4. B) (1 2 3 4 5 C) -	Hockey bat: Manual broom: Correct the underlie The lunar eclipse occ Annular solar eclipse Fires resulted from e The first class lever l The membrane of	ned words: curs at a rate of two times per resoccurs in the semi-shaded area electricity are put out by water. has the resistance between the root hairs is impermeable.	of the Moon. force and the fulcrum. and the length of the	(
4. B) (1 2 3 4 5 C) T	Hockey bat: Manual broom: Correct the underlie The lunar eclipse occ Annular solar eclipse Fires resulted from e The first class lever le The nembrane of The length of the force arm is 15 cm, if the ve	ned words: curs at a rate of two times per resoccurs in the semi-shaded area electricity are put out by water. has the resistance between the root hairs is impermeable. e arm of a crowbar is 100 cm,	of the Moon. force and the fulcrum. and the length of the	(
4. B) (1 2 3 4 5 C) T	Hockey bat: Manual broom: Correct the underlie The lunar eclipse occ Annular solar eclipse Fires resulted from e The first class lever le The nembrane of The length of the force arm is 15 cm, if the ve	ned words: curs at a rate of two times per resoccurs in the semi-shaded area electricity are put out by water. has the resistance between the root hairs is impermeable. e arm of a crowbar is 100 cm, alue of resistance equals 400 f	of the Moon. force and the fulcrum. and the length of the	



Write the scientific term:	
1. The fixed point of a rigid bar on which the bar rotat	tes. (.
2. Levers that have the force between the resistance of	and the fixed point. (
3. The type of levers that always conserve effort.	(·
4. Means of converting the electric energy to light en	ergy. (
5. Materials that allow the electric current to pass th	rough them. (
6. The phenomenon that occurs when the Earth come	es between the Moon
ond the Sun on one straight line.	(
7. *They are tiny holes found on the surface of the le	eof. (
A) Choose the correct answer:	
1. The force arm is sometimes equal to the resistance	orm in the
	(first - second - thir
2. The phenomenon of the lunar eclipse occurs in the	of the lunar month.
	(end – first – middl
3. When we increase the number of the electric lamp	ps in the series connection, their lig
intensity (incre	eases - decreases - remains the sam
B) Give a reason for:	
1. The filament of the light bulb is mode of tungsten.	
- · · · · · · · · · · · · · · · · · · ·	au au
2 Weter separat he wood to not the Gen secultion (from alasteicitu
2. Water cannot be used to put out the fire resulting	nom etecalicity.
	anne ann annance ann a nan ar ar ar ar an
	ked eye during the solar eclipse.
We should not look directly at the Sun with the na	

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والتعليمية

حکتاب Gem

EAHEN EDECTOR

الصف السادس الابتدائي

2+2

1. Levers are very important as they increase speed, and	and an analysis of the
2. The simple electric circuit consists of and electri	c switch.
3 and are examples of materials that are electric in	sulators.
4. Types of the lunar eclipse are and	
B) The force affecting a second class lever equals 200 Newton and the	length of its arn
50 cm and a resistance with a value of 1000 Newton, calculate the	value of the arn
of the resistance:	
1. Law of levers	
2. Arm of the resistance =	786 MSC '8 '8 99, 4-
Correct the underlined words:	
1. The crowbar is an example of the third class levers.	Combine deliver from the com-
2. The manual broom is an example of second class levers.	(
3. The glass bulb of the electric lamp contains hydrogen gas-	(and the state of
4. The electric lamps are connected in the house in <u>series</u> .	(no manament
5. The electric fire occurs due to the passage of the electric current	
through the human body.	C are trebedal dir
6. In the beginning of the total lunar eclipse, the color of the Moon	
tends to be black.	Cabbabbbasha basadas
7 * Oxygen gas is produced during the respiration process in the plant	4
	(**************************************



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1	1. The nutcracker is an ex	ample of the	class lev	ег.
1	2. Fluorescent lamp is fille	ed with an inert	gos.	
3	3. In the solar eclipse,	is found be	tween the Sur	and
4	4. All light bulbs ore conn	ected in	"in the house.	
	S. The manual broom is a	n example of the	closs	levers.
	6. 🛖 control the	e closing and ope	ning of the sto	moto.
	Choose the correct at			•
1.	The filament of the light			c. tungsten
2.	a, iron From the first class leve	ь, соррег 		C, congacen
	a, nutcracker	b, sweet h	older	c. scissors
3.	From the examples of go	ood electric cond	uctors is	Que dellana dilliportio B
	a. wood	b. plastic		c. copper
4.	Force arm is sometimes	equal to resistant	te arm in	class levers.
	a first	b, second		c, third
B)	Match from column (A) with suitabl	e in column	(B):
	(A)			(B)
	1. First class levers		a) Levers that	always conserve the effort.
	2. Second class levers		b) Levers that	do not conserve the effort.
	3. Third class levers		c) Levers that	sometimes conserve the effor
	4. The fulcrum		d) Fixed point	that a rigid bar sits on.

١.	The phenomenon that occurs when a part of the Moon enters the shadow	
	area of the Earth.	(

- 3. The rigid bar that rotates on a fixed point and is affected by force and resistance. (........

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بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى الابتدائي صحيطكي التعليمي التعليم التع





B) Correct the underlined wo	ords:
------------------------------	-------

- 2. While connecting the lamps in parallel, the lamps are connected one after another.
- 3. If the force arm is smaller than the resistance arm, the lever saves effort. (______)

A) Give a reason for:

- 1. Water cannot be used to turn off the electric fires.
- 2. ** Root hairs can absorb water from the soil.

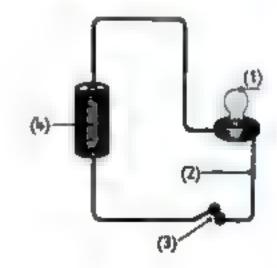
B) When would happen in each of the following cases?

When the whole Moon enters the shadow (umbra) area of the Earth.

C) The force affecting a second class lever equals 200 Newton and the length of its arm is 50 cm and has a resistance with a value 1000 Newton, calculate the value of the arm of the resistance.

D) Study the following figure, then complete:

- To the team of the control of the co
- 2.



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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والتعليمية



17	South Sinal Science Supervision
	A) Complete the following sentences:
	1. In the third class levers, thelies between and fulcrum.
	2. From electric insulators and
	3. From the components of the electric circuit are electric wires, switch and
	4. Solar eclipse occurs when lies between the and the Sun on the same straight line.
	5. The from electric dangers that causes the damage of the human body tissues.
	6. Sweet holder is an example oflevers.
1	B) Give a reason for:
	1. We cannot use water in putting out electric fires.
	2. Some levers are important for man although they do not save effort.
	3. The presence of stomata on the lower surface of the plant leaves.
n ,	() Chance the correct angular
"	1) Choose the correct answer: 1
	1is/are from second class levers. (Scissors - Wheelbarrow - Manual broom) 2. When a lamp is connecting in parallel with several other lamps, the light intensity of
	the lamps
	3 is from the electric conductors. (wood - rubber - iron)
	4. is an example of first class levers. (crowbar - bottle opener - manual broom)
	5. In electric lamp, the electric energy changes into energy.(kinetic - light - sound)
	6. The time taken by the solar eclipse isthe time taken by the lunar eclipse.
	(less than – more than – equal)
	(tess than—more than—tequat)
	B) Mention some of the important precautions when dealing with electricity: 1. 3. 3.
	C) The opposite figure represents the lunar eclipse phenomenon. Observe it,
	then label the figure:
	2.
	3
	4. · · · · · · · · · · · · · · · · · · ·

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والتعليمية



هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والعبولية العمل العبولية المرى والعبولية العمل العبولات العبولية الع

() Complete the following:				
1. The fulcrum is between effort force and resistance in				
o. first	b. second			
c. third	d. first and second			
2. Fluorescent lamps contains	gas.			
o. neon	b. argon			
c. oxygen	d. hydrogen			
3. Solar eclipse occurs when the	between and			
a. the Sun, the Earth, the Moon	b. the Moon, the Earth, the Sun			
c. the Earth, the Sun, the Moon	d. the Sun, the Earth, Mars			
4. All kinds ofclass levers cons	erve effort.			
a. first	b. second			
c, third	d. first and second			
5. * The membrane of root hairs is				
a. impermeable	b. permeable			
c. semipermeable	d. no correct answers			
B) A second class lever, its effort force is 100 Newton, its arm is 200 cm, this lever				
a resistance force that equals 500 Ne				
Effort force × =	K its arm			
Resistance arm =	144+4F />IP -444=4-4			
A) Write the scientific term:				
1. A way of connecting bulbs one after another.		(desire desired		
2. Type of lunar eclipse that occurs whe	n the whole Moon enters			
the shadow area of the Earth (Umbra).		(
3. One of the dangers of electricity which	th causes the damage of body tissues.	(
4. A fixed point which a rigid bar rotates	around it.	(



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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والتعليمية



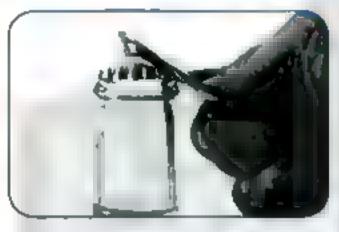
B) G	ive a	reason	for:
------	-------	--------	------

- 1. The bulb filament is made up of tungsten.
- 2. You shouldn't observe the Sun directly.
- 3. * Root hairs can absorb water from the soil.

A) Put (\checkmark) or (x):

- 1. The crowbor is a first class lever.
- In the electric bulb, the electric energy changes into kinetic energy.
- 3. The lunar eclipse does not require precautions.
- 4. In houses the electric lamps are connected in series.

B) Classify the following tools (levers):







A) Complete the following question:

- 1. From examples of good conductors of electricity are and and
- 2. When a part of the Moon enters the shadow of _____ a ___ lunar eclipse takes place.
- 3. The inner tube surface of the fluorescent lamp is covered with a substance and a little of vapor.
- 4. * The outer layer of root is called _____.

B) What happens when ...?

- 1. The effort force is between resistance and fulcrum.
- 2. Placing an electric heater near to furniture.
- Presence of air inside the electric bulb.

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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى إليه السنف السادس الابتدائي الشكيكيكي المستف السادس الابتدائي المسكيكيكيكي المستف السادس الابتدائي المسكيكيكيكيكي المستف السادس الابتدائي المسكيكيكيكي المستفيدة المست





1. The type of levers where the arm of the force and the arm of resistance are equal is	erin (4	9 Assuit Directorate of Education		
2. In the solar eclipse,				
3. Metallic materials are considered from the electric	***	1. The type of levers where the arm of the force and the arm of resistance are equal is	man ye .	name b
considered from the electric		2. In the solar eclipse, is found between the Sun and		
 4. The manual broom is aclass lever. B) ★ Rearrange the layers of the root from inside to outside: (Xylem - Prth - Epidermis - Cortex - Endodermis) A) Put (✓) or (X): 1. The fulcrum in scissors lies between force and resistance. () 2. The spiral base of the light bulb glows due to passing the electric current through it. () 3. If the force arm is smaller than the resistance arm, the lever saves effort. () 4. The lunar eclipse occurs in the end of the lunar month. () 5. The human body is a good conductor of electricity. () B) What happens when? 1. Putting out the electric fires with water. 2. The light bulbs in the house are connected in series. 		3. Metallic materials are considered from the electric, while glass and rub	ber	ore
B) * Rearrange the layers of the root from inside to outside: (Xylem - Pith - Epidermis - Cortex - Endodermis) 2 A) Put (/) or (X): 1. The fulcrum in scissors lies between force and resistance. () 2. The spiral base of the light bulb glows due to passing the electric current through it. 3. If the force arm is smaller than the resistance arm, the lever saves effort. 4. The lunar eclipse occurs in the end of the lunar month. 5. The human body is a good conductor of electricity. () B) What happens when? 1. Putting out the electric fires with water.		considered from the electric		
(Xylem - Pith - Epidermis - Cortex - Endodermis) 1. The fulcrum in scissors lies between force and resistance. 2. The spiral base of the light bulb glows due to passing the electric current through it. 3. If the force arm is smaller than the resistance arm, the lever saves effort. 4. The lunar eclipse occurs in the end of the lunar month. 5. The human body is a good conductor of electricity. () B) What happens when? 1. Putting out the electric fires with water.		4. The manual broom is aclass lever.		
 A) Put (/) or (X): The fulcrum in scissors lies between force and resistance. The spiral base of the light bulb glows due to passing the electric current through it. If the force arm is smaller than the resistance arm, the lever saves effort. The lunar eclipse occurs in the end of the lunar month. The human body is a good conductor of electricity. B) What happens when? Putting out the electric fires with water. The light bulbs in the house are connected in series. 		B) * Rearrange the layers of the root from inside to outside:		
 The fulcrum in scissors lies between force and resistance. The spiral base of the light bulb glows due to passing the electric current through it. If the force arm is smaller than the resistance arm, the lever saves effort. The lunar eclipse occurs in the end of the lunar month. The human body is a good conductor of electricity. What happens when? Putting out the electric fires with water. The light bulbs in the house are connected in series. 		(Xylem - Pith - Epidermis - Cortex - Endodermis)		
 The spiral base of the light bulb glows due to passing the electric current through it. () If the force arm is smaller than the resistance arm, the lever saves effort. () The lunar eclipse occurs in the end of the lunar month. () The human body is a good conductor of electricity. () What happens when? Putting out the electric fires with water. The light bulbs in the house are connected in series. 	2	A) Put (✓) or (X):		
 3. If the force arm is smaller than the resistance arm, the lever saves effort. 4. The lunar eclipse occurs in the end of the lunar month. 5. The human body is a good conductor of electricity. B) What happens when? 1. Putting out the electric fires with water. 2. The light bulbs in the house are connected in series. 		1. The fulcrum in scissors lies between force and resistance.	()
4. The lunar eclipse occurs in the end of the lunar month. 5. The human body is a good conductor of electricity. () B) What happens when? 1. Putting out the electric fires with water. 2. The light bulbs in the house are connected in series.		2. The spiral base of the light bulb glows due to passing the electric current through it.	()
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B) What happens when? 1. Putting out the electric fires with water. 2. The light bulbs in the house are connected in series.		4. The lunar eclipse occurs in the end of the lunar month.	()
 Putting out the electric fires with water. The light bulbs in the house are connected in series. 		5. The human body is a good conductor of electricity.	()
2. The light bulbs in the house are connected in series.		B) What happens when?		
2. The light bulbs in the house are connected in series.		1. Putting out the electric fires with water.		
2. The light bulbs in the house are connected in series.		44	4. 188887	Indonh
THE CO. CASE TREPUTATIONS TO THE TAX TO SERVE THE TAX THE SERVE THE SERVE THE TAX THE SERVE THE TAX THE SERVE THE		The Company of the Co	de dessenator le	44414
		2. The light bulbs in the house are connected in series.		
THE PROPERTY OF THE PROPERTY O		THE	BA TABI	*86.81
	_		1111111	
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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى العليمية المعلقة المرى العليمية المعلقة المرى الابتدائي المعلقة المعلقة

) Write the scientific term:	
1. A way used to connect electric lamps in branching routes.	(
2. It occurs when part of the Moon enters the shadow area of the Earth.	(
3. One of the dangers of the electricity is that it destroys the tissues of the	body.
	(
4. Type of levers that does not save effort.	(-(11000)))
3) Give a reason for:	
1. We should not look at the Sun with the naked eye.	
2. Sometimes the first class lever saves effort.	0
2. Sometimes the mist closs level soves enort,	
) Look at the figure, then answer	
1. The device is	6
2. Label the figure:	1-6-
(1)	1
(2)	The state of the s
(:	1)

the resistance given that the arm of the resistance = 5 cm.

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هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلولة

20 Qena Qena of Educational Administration	
A) Complete the following question:	
1. Moterials that allow the of electricity through them	are electric conductors.
2. Wheelbarrow and sodo bottle opener are examples of the	class lever.
 When connecting light bulbs in series, the light intensity of the l their numbers. 	amps by increasing
4. Accuracy in performance and avoid dangers are from tasks of	the closs lever.
5. Theis widely spread on the lower surface of the	leaves.
B) What is meant by?	
1. The lever.	
	reserves the same of the same
Tree Tens	
2. *Solar eclipse.	

and the state of t	
2 A) Choose the correct answer:	
1. The duration of the lunar eclipse may last for more than	reference to the same of the s
(two hou	ırs – two days – two months)
2. The fluorescent lamp contains the inertgas.	(neon – argon – helium)
3. The types of the lunar eclipse are	l – partial – total and partial)
4. The filament of the light bulb is made of	(copper – tungsten – iron)
 Water is transferred from the plant's stem to the leaves in 	through
(endoderm	nis – xylem vessels – stomata

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لذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والعسولية

B) Give a	reason for:
-----------	-------------

- The electric heater must not be place close to textiles and carpets.
- 2. Sometimes the first class levers do not save effort.

Put (\checkmark) or (X):

- Water is used to put out electric fires. 2. Not leaving the wires naked is from the precoutions of dealing with electricity. 3. All lamps and machines in the house are connected in parallel. 4. Falling from top of a ladder is considered from direct electric injuries.
- 5. Plastic, glass, rubber and wood are from the examples of the electric insulators. 6. In the third class levers, the resistance is between the effort force and the fulcrum.
- 7. * The endodermis layer regulates the passing of water to the xylem.

A) Write the scientific term:

- 1. It is one of the dangers of electricity that occurs due to passing the electric current through the human body.
- 2. It is a type of electric lamps that consists of a glass tube and two filaments of tungsten and two points of connection.
- B) A force of 30 Newton affects a lever and its force arm is 20 cm, the resistance is 20 Newton. Calculate the resistance arm.
- C) * Compare between the solar eclipse and the lunar eclipse.

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هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى الم





2. It is a way in which the light bulbs are connected one after another in one route. (A) Write the scientific	c term:	
(1. It is the fixed point	which the bar rotates around.	(-manual 4011
3. One of the dangers of electricity that causes the damage of the tissues of the body. (2. It is a way in which	the light bulbs are connected a	ne after another in one route.
4. It occurs when the whole Moon enters the shadow area of the Earth. B) What happens when? 1. Electric fires are put out by water. 2. Looking directly at the Sun. A) Complete the following: 1. The seesaw is class lever, while the wheelbarrow is class lever. 2. Electric lamps convert the energy into energy. 3. * The transmission of water from soil to the vacuale of the root hairs occurs by feature. B) Choose the correct answer: 1 is considered from electric conductors. a. Wood			published a made be to describe the described to the second terms of the second terms
 4. It occurs when the whole Moon enters the shadow area of the Earth. (B) What happens when? Electric fires are put out by water. Looking directly at the Sun. The seesaw is class lever, while the wheelbarrow is class lever. Electric lamps convert the energy into energy. ★ The transmission of water from soil to the vacuale of the root hairs occurs by feature. B) Choose the correct answer: is considered from electric conductors. wood is considered from electric conductors. The filament of the light bulb is made of argon b. tungsten c. copper The color of the Moon tends to be during the start of the total eclipse. red b. green c. violet 	One of the dangers	of electricity that causes the do	image of the tissues of the body.
B) What happens when? 1. Electric fires are put out by water. 2. Looking directly at the Sun. A) Complete the following: 1. The seesaw is class lever, while the wheelbarrow is class lever. 2. Electric lamps convert the energy into energy. 3. ★ The transmission of water from soil to the vacuale of the root hairs occurs by feature. B) Choose the correct answer: 1 is considered from electric conductors. a. Wood			[
1. Electric fires are put out by water. 2. Looking directly at the Sun. A) Complete the following: 1. The seesaw is	4. It occurs when the	whole Moon enters the shadow	area of the Earth.
 Electric fires are put out by water. Looking directly at the Sun. Complete the following: The seesaw is	B) What happens wh	en?	
 2. Looking directly at the Sun. A) Complete the following: The seesaw is class lever, while the wheelbarrow is class lever. Electric lamps convert the energy into energy. ★ The transmission of water from soil to the vacuale of the root hairs occurs by feature. B) Choose the correct answer: Is considered from electric conductors. Wood is considered from electric conductors. The filament of the light bulb is made of a, argon b. tungsten c. copper The color of the Moon tends to be during the start of the total leclipse. red b. green c. violet 			
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A) Complete the following: 1. The seesaw is class lever, while the wheelbarrow is class lever. 2. Electric lamps convert the energy into energy. 3. ★ The transmission of water from soil to the vacuale of the root hairs occurs by feature. B) Choose the correct answer: 1 is considered from electric conductors. a. Wood	2. Looking directly at	the Sun.	
 The seesaw is class lever, while the wheelbarrow is class lever. Electric lamps convert the energy into energy. The transmission of water from soil to the vacuale of the root hairs occurs by feature. Choose the correct answer: is considered from electric conductors. Wood is considered from electric conductors. The filament of the light bulb is made of a, argon b. tungsten c. copper The color of the Moon tends to be during the start of the total is eclipse. red b. green c. violet 	4- 44- 188 -	· Spage resease in resease in the other factors of the	
 The seesaw is class lever, while the wheelbarrow is class lever. Electric lamps convert the energy into energy. The transmission of water from soil to the vacuale of the root hairs occurs by feature. Choose the correct answer: is considered from electric conductors. Wood is considered from electric conductors. The filament of the light bulb is made of a, argon b. tungsten c. copper The color of the Moon tends to be during the start of the total is eclipse. red b. green c. violet 	A) Complete the follo	owing:	
 2. Electric lamps convert the energy into energy. 3. ★ The transmission of water from soil to the vacuale of the root hairs occurs by feature. B) Choose the correct answer: is considered from electric conductors. a. Wood b. Iron c. Plostic 2. The filament of the light bulb is made of c. copper 3. The color of the Moon tends to be during the start of the total lectipse. 	.,		
3. ★ The transmission of water from soil to the vacuale of the root hairs occurs by	1. The seesaw is	class lever, while the wheel	barrow is class lever.
feature. B) Choose the correct answer: 1			
B) Choose the correct answer: 1	2. Electric lamps conve	ert the energy into	energy.
1. List considered from electric conductors. a. Wood b. Iron c. Plostic 2. The filament of the light bulb is made of a. argon b. tungsten c. copper 3. The color of the Moon tends to be during the start of the total is eclipse. a. red b. green c. violet	2. Electric lamps converged 3. The transmission	ert the energy into	energy.
a. Wood b. Iron c. Plastic 2. The filament of the light bulb is made of	 Electric lamps conve The transmission feature. 	ert theenergy into of water from soil to the vacual	energy.
2. The filament of the light bulb is made of a. argon b. tungsten c. copper 3. The color of the Moon tends to be during the start of the total be eclipse. a. red b. green c. violet	 2. Electric lamps converged 3. The transmission feature. B) Choose the correct 	of water from soil to the vacual	energy. Le of the root hairs occurs by
a, argon b. tungsten c. copper 3. The color of the Moon tends to be during the start of the total leeclipse. a. red b. green c. violet	 2. Electric lamps converged 3. The transmission feature. B) Choose the correct 	of water from soil to the vacual	energy. Le of the root hairs occurs by
3. The color of the Moon tends to be during the start of the total is eclipse. a. red b. green c. violet	 2. Electric lamps converged 3. The transmission feature. B) Choose the correction is 	of water from soil to the vacual t answer: considered from electric condu	energy. Le of the root hairs occurs by
eclipse. a. red b. green c. violet	 2. Electric lamps converged 3. The transmission feature. B) Choose the correction is a. Wood 	of water from soil to the vacual t answer: considered from electric condu b. Iron	energy. Le of the root hairs occurs by ctors. c. Plastic
a. red b. green c. violet	 Electric lamps converged. The transmission feature. Choose the correction. Wood The filament of the 	ert theenergy into of water from soil to the vacual t answer: considered from electric condu b. Iron light bulb is made of	energy. Le of the root hairs occurs by c. Plostic
4. Fulcrum is between effort force and resistance inclass lever.	 Electric lamps converged. The transmission feature. Choose the correction. Wood The filament of the a, argon The color of the Management. 	of water from soil to the vacual t answer: considered from electric condu b. Iron light bulb is made of b. tungsten	energy. Le of the root hairs occurs by c. Plastic c. copper
	 Electric lamps conversed. The transmission feature. Choose the correct. Wood The filament of the a, argon. The color of the Meclipse. 	of water from soil to the vacual t answer: considered from electric condu b. Iron light bulb is made of b. tungsten	ctors. c. Plostic c. copper during the start of the total lunc
a. first b. second c. third	 Electric lamps converged. The transmission feature. Choose the correction. Wood The filament of the a, argon The color of the Meclipse. red 	of water from soil to the vacual t answer: considered from electric condu b. Iron light bulb is made of b. tungsten b. green	energy. le of the root hairs occurs by c. Plostic c. copper during the start of the total lunc c. violet
4. Fulcrum is between effort force and resistance inclass lever.	 Electric lamps converged The transmission feature. Choose the correction is a. Wood The filament of the 	ert theenergy into of water from soil to the vacual t answer: considered from electric condu b. Iron light bulb is made of	energy. Le of the root hairs occurs by

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مذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى التعليمية

2+2

 The crowbar is a third class lever. 	
The effort force is measured by centimeter or meter.	
The light bulbs are connected in parallel in the house.	
4. The electric lamps contain the atmospheric air.	
5. The lunar eclipse lasts for four minutes.	
6. Solar eclipse occurs when the Moon is between the Sun and the	e Earth in
one straight line.	
B) Give a reason for:	
1. Second class levers save effort force.	
2. You shouldn't place a metallic object in the socket.	naa - maan dee mare 444b
3. *The cell membrane of root hairs has a selective permeability	property.
A) In a lever, the effort force is 100 Newton, the length of the for the resistance = 500 Newton. Calculate the resistance arm.	
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B) The opposite figure represents ************************************	
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B) The opposite figure represents ************************************	
B) The opposite figure represents ************************************	

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2 Schag - Akhmeem Educational Management		,	
Complete the following:			
1. Levers help us to perform tasks more easily by and and			
2. The force and the resistance in levers are equal, if			
3. The filament of the light bulb is made ofbecause it has high			
4. There are two ways to connect electric lamps: and			
5. The eclipse occurs when the hides the sunlight from por	t of th	e Ear	t
6. The lunar eclipse occurs in the of the lunar month.			
Put (√) or (X):			
1. Wheelbarrow is an example of the first class lever.		(
2. The lever conserves effort if the effort force arm is shorter than the resistance of	ırm.	(
3. The fluorescent lamp contains neon gas.		(
4. In series connection, if one lamp burns the other, lamps keep light.		(
5. The duration of the solar eclipse may last for more than two hours.		(
6. We use special glasses during observing the lunar eclipse.		(
A) Write the scientific term:			
1. The fixed point of a rigid bar.	(44	1=
2. The type of levers that always conserve effort.	(,.	manus Indes	i h b
3. Tool that converts the electric energy to light energy.	(· ·dassabbt	
4. The dangers of electricity that cause damage of the tissues of the body.		mmbbrb:1- 4461	
The losing of water in the shape of water vapor from the plant leaves.	(****	,

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مذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى التعليمية

B) Compare between:

Comparison	Electric conductors	Electric insulators
Definition	**************************************	tulitariate arrangemental bill 80111 bill 4
	PROPER THE PROGRAMMENT ESTATES STATES AND A STATE AND A STATES AND ASSAULT ASS	en bruss of en a servi ar l'a a ritra e réfra bélif à l'défid i
	· br	Providence Management Annual Control
	***************************************	++++++++++++++++++++++++++++++++++++++
Examples	+++++++++++++++++++++++++++++++++++++++	+4 consecutives are a secure as a section of the section of the
		controllered and and and
	HitHir	Anches and the second properties of
	RATEMATERATURE IN . Y. 444APA	

4	A) The force affecting a lever	equals 200	Newton and	the length of	of its arm is	50 cm and
	a resistance with a value of	1000 Newt	on, calculate	the value of	the arm o	f resistance.
	(Mention the law of levers).					

B) What happens when ...?

- 1. There is air inside the light bulb.
- 2. The electric fire is put out by water.
- 3. The Earth comes between the Moon and the Sun and they are all on one straight line.
- 4. ★ There is no osmosis feature in the plant.

GEM / Science / Primory 6



) Complete the following:	
1. The distance between the force and fulcrum is known as	hereas the dista
between the fulcrum and the resistance is called	
2. The harms resulting from an electric shock depend on and	-
3. The fluorescent lamp consists of a glass tube that contains a little of	ond in
tube surface is covered with a material.	
4. ★The is widely spread on the lower surface of the leaves.	
) Give a reason for:	
1. The wheelbarrow is a lever that always conserves effort.	
	gag. • sammer d-dship Pb '
та чани ча т ра п п подата т ф — п п ча	4- 44->>> '**********************************
) Write the scientific term:	
 A rigid bar that rotates around the fulcrum and is affected by the force 	
and the resistance.	(
Materials that allow the flow of electric current through them.	(-,,
One of the dangers of electricity causing damage to the tissues of the	a body.(
4. A tool used to convert the electric energy to light energy.	(
5. A type of levers that always does not save effort.	(
3)The affecting force on a second class lever equals 200 Newton and the is 50 cm. If the value of the resistance is 100 Newton, calculate the of resistance.	
	* *********

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والعبولية

2+2-

3	A) The figure shows the solar eclipse:			
	Write the labels:			
	1,	n		
	2.			
	3.			
	B) Put (/) or (X):			
	1. Rubber is from insulators of electricity.		()
	2. The fluorescent lamp contains one filament of tungsten.		ì)
	3. If the arm of force is longer than the arm of resistance then the lever of the effort.	conserves	Ì	
			()
	4. Water is not used to put out electric fires.		()
4	A) What happen when?			
	1. The filoment of the light bulb is made of iron.			
	2. * There is no osmosis feature in the plant.	ddiibhelddadhell-damhed ann	3881' 387 31	. 9
	B) Correct the underlined words:	Ib ear last each		ş+#
	1. The lunar eclipse extends for more than two days.	(r	١
	2. Looking at the tunar eclipse causes several harms to eye.	,		,
	3. Electric fire occurs as a result of passing on electric current through	/	48881 4488>>11	. 1
	the human body.	,		1
	and married body.	411110 44		ни.]

GEM / Science / Primary 6



هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والعربية المعلق المري والمعلق المري والمري و

	Choose the correct a		
1,	The duration of the solo		
	a, two hours	b. 7 minutes and 40 seconds	c. more that two hours
2.	The lunar eclipse occur	s in the of the lunar month.	
	a. beginning	b. middle	c. end
3.	The filament of the ligh	nt bulb is made of	
	a. copper	b, iron	c. tungsten
4.	is the lever th	nat increases speed.	
	a. Hockey bat	b. Nutcrocker	c. Manual broom
5.	🛨absorb wa	ter and mineral salts from the soil.	
	a. Leaves	b. Root hoirs	c. Stems
	2. Looking directly at th	he solor eclipse.	
	2. Looking directly at the complete the following	- NA THEF 1944- TH - 48-	
Co	omplete the following	- NA THEF 1944- TH - 48-	rgy into energy.
Co	omplete the following is a	ng:	rgy into energy.
Co	omplete the following and and	ng: device that converts the ene	
Co	omplete the following 1. The electric lamp is a 2 and 3. The crowbar is consider	device that converts the ene ene are ways that connect electricity.	is a third class leve
Co	1. The electric lamp is a 2 and 3. The crowbar is considered. 4. In the solar eclipse	device that converts the	is a third class leve
Co	2 and 3. The crowbar is considered. In the solar eclipse	device that converts the ene ene are ways that connect electricity. dered a class lever, but the is found between the Sun and	is a third class leve
Co	2 and 3. The crowbar is considered. In the solar eclipse	device that converts the ene ene are ways that connect electricity. dered a class lever, but the is found between the Sun and are good conductors of electricity. Is contain gas and little amounts.	is a third class leve
Co	2 and 3. The crowbar is considered. In the solar eclipse 5 and 6. The fluorescent lamp	device that converts the ene ene are ways that connect electricity. dered a class lever, but the is found between the Sun and are good conductors of electricity. Is contain gas and little amounts.	is a third class leve

مذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى التعليمية المرادية العربية المرادية المرا

2+2.

3. They are burns that result from electricity and cause damage	. 01
the body tissues.	(
4. A type of eclipse that occurs when the Moon lies in a higher ort	oit from the Earth.
	(
Give a reason for:	
1. Wheelbarrow always conserves effort.	
THE " " TO " THE	
The state and depth and states are suppressed thinks to the states a second and the states of the states and the states are suppressed the states of the states are suppressed to the states of the states are suppressed to the states of the states are suppressed to the states of the states of the states are suppressed to the states of the states are suppressed to the states of the states of the states are suppressed to the states of t	sanana 'Majo, 'which per tyre tre tes
2. In total lunar eclipse the Moon tends to be red.	
TO AND THE PROPERTY AND	- 10 op - 15 op - 1 - 5 oe - sae
and the second care despose a constitute of company ordered and constitute and despose and the second constitute of the s	ate a real area area manufarer led
Correct the underlined words:	
1. In parallel connection of electricity, the light intensity decrea	ses by increasing
the number of light bulbs.	(
2. When you place the electric heater close to a curtain, it cause	es electric shock,
	(11-1411)
3. When a part of the Moon enters the cone shadow partial sola	r eclipse occurs.
	(
4. Base of light bulb glows and emits light when the electric cur	rent passes
through it.	(
5. 🛨 Stomata are found in large numbers on the plant's stem.	(
In a second class laws the effect force is EON and force and	- 20
In a second class lever, the effort force is 50 N and force arm	
If the value of the resistance arm $= 5$ cm, calculate the value	
The term of the te	THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS O

GEM / Science / Primory 6









 Complete the following: The crowbar is considered a 	class lever, but the manu	al broom is a
lever.		
2. The fluorescent lamp contain	ns gas.	
3. You connot put out the elect	ric fires with water because water	is
4. There is a conservation of eff	ort for the first class lever if	is larger than
5. * The in plant is s	surrounded by two guard cells.	
B) Compare between:		
1. Electric conductors and elec	tric insulators.	
P.O.C	Electric conductors	Electric insulator
Definition	descriptions of the state of th	-qanqqqqaa san sanblarbiddb 1981 birbiddb 191 IndBressarpeangoggpganni sa sal ibb dbbi-
	Helds on constructions of 4-4-44-44-44-44-4-4	p som sorrederledhidebildebildeplessesses
Examples		pp vana vridekreidhebidekreidar van va .
	M. MARRIEM TO THE SHEET HEREING TO THE	ann anneadarlddddigglyte den antingh
2. Second class lever and third	class lever.	
P.O.C	Second class lever	Third class leve
Conservation of effort	page page, ago, pagentanana non motoribitanes	ErbbHEBGIRÉER - vahalváhb-lváhhbHBBH-l44811PP
A) Correct the underlined w	vords:	
1. The electric lamp converts	the electric energy to kinetic ene	rgy. (,
	s in <u>parallel</u> , the lamps are conne	cted one
after another.	Countries In the above of worker described	1-1-
3. 🖈 I ranspiration is tosing of	water in the shape of water drop	otets.
B) Give a reason for:		
	at the Sun with the naked eye.	
	side the socket.	Marrierd 44444272222222222222222222222222222222

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والتعليمية

الصف السادس الابتدائي

Science

Hockey bat Coal holder	b. lever that avoids danger. c. lever that increases the distance.
1. Tweezers	a. lever that increases the speed.
A =	В
3) Match from (A) to (B):	
	se in the temperature of the electric wires. (
3. The fixed point of a rigid bar on v	which the bar rotates. (
	(
2. One of the dangers of the electri	city is causing the damage of the tissues of the bo
	(no e vi ta
i. It occurs to the Moon when it co	mpletely enters the shadow area of the Earth.
N) Write the scientific terms:	
form assessments to the state of the state o	THE ME CANN CAMP AND MADE THE THE ME PROOF CARDO CARDON AND A MADE THE THE
2. The light bulbs in the house are o	connected in series.
1. You make the flloment of the ligi	ht bulb from iron.
3) What happens when?	
the human body.	
	passage of the electric current through
	ne filament and the base of the light bulb.
2. There are three connecting point	s at each of the fluorescent lamp ends.
1. The two phenomena of solar and lun	ar eclipses are repeated regularly and can be predicted
A) Put (✓) or (X):	
resistance.	ue of 1000 Newton, calculate the value of the a

GEM / Science / Primary 6

2+2-



General Tests on Unit

P. 55

- A) 1. photosynthesis
- transpiration
- p:th
- 4. stomata
- process.
- B) 1. Because the plant carries out transpiration
 - To control opening and closing the stoma.
- 2 A) 1. oxygen
- 2. shoot
- 3. sunlight CO₂ water mineral salts
- B) Answer by yourself.
- 3 A) 1 d
- 2. C
- 3. b
- B) Pith → xylem → endodermis
- A) 1. leaf
- 2. photosynthesis
- guard
- 4. transpiration
- B) 1. Process by which the plant allows some saits to pass through according to the plant's need.
 - Transmission of water from high. concentration of water to low concentration of water through a semi-permeable membrane

- A) 1. b

- 4. b
- B) Answer by yourself.
- A) 1 guard cell
 - water, water vapor.
 - photosynthesis process
 - nitrogen calcium magnesium.
 - B) 1. To make photosynthesis process.
 - To allow the permeability of some salts. and not allow the passing of others according to the needs of the plant.
- 3 A) 1. cortex
- 2. root hairs
- two guard cells
- B) Fig. (a) open stoma.
 - Fig. (b) closed stoma.
- A) 1. (X)
- 3. (1)
- B) Answer by yourself.

School Exams

on the Second Term

2018-2019

Cairo - Shoubra Educational Directorate

- A)1. mercury vapor
 - 2. plastic
- phers
- 4 7 minutes and few seconds
- B) 1. water
- 2. first
- annular
- Archimedes
- 5. guard
- **2** A) 1. (X) 2. (X) 3. (√) 4. (√) 5. (√)

P.O.C.	Solar eclipse	Lunar eclipse
	Moon comes	Earth comes
	between the	between the
Reason	Earth and the	moon and the
	' Sun on one	รูนก ดูก ดูกอ
	straight line	straight line
Time of occurrence	at daytime	at night

C) 1. effort force x its arm = resistance x its arm. effort force $x 2 = 20 \times 6$

$$\therefore \text{ effort force} = \frac{20 \times 6}{2} = 60 \text{ f}$$

- 2. The lever doesn't conserve effort, because the effort force is larger than the resistance force
- 3 A) 1. tungsten melting point
 - coal holder ice holder
 - 3. solar moon
 - B) 1. pick up very small objects.
 - connect the fluorescent lamp to the electricity
 - Help the plant to lose most of the excess water that reaches leaves.
 - C) a. closed
- b. series connection
- A) 1. second class lever
 - 2. electric burn
 - 3. effort force
- total solar eclipse
- B) 1. Because, the sun emits harmful rays (UV - IR) that may cause blindness.
 - Because, it causes electric overload that heats up wires leading to electric fires.
 - 3. To allow the water to transmit from the soil (high concentration of water) to root hairs (less concentration of water) by the osmosis feature.
- C) 1. This causes electric shock.
 - Annular solar eclipse occurs

Carlo - Educacional Zimir - Ohicial Language Schools

- A) 1, third first
 - 2. third class lever second class lever
 - 3. tungsten melting point
 - 4. electricity human body
 - partial solar eclipse moon
 - B) 1. To connect the lamp to the electric circuit.
 - Because, it causes electric overload that heats up wires leading to fires.
 - 3. To get rid of excess water of the plant through transpiration process.
- 2 A)1. lever
- first class lever
- 3. electric burn 4. total lunar eclipse
- parallel
- Second class lever
- B) effort force × its arm = resistance × its arm $100 \times 25 = 500 \times \text{rts arm}$

∴ resistance arm =
$$\frac{100 \times 25}{500}$$
 = 5 cm

- 3 A)1, Fulcrum
- 2. argon
- Increasing force
- 4. Iron
- guard
- B) 1. It protects the filament from burning and increases its lifetime.
 - 2. It prevents air from reaching the filament to protect it from burning
 - It fixes the plant in the soil.
- A) 1. (X) 2. (X) 3. (√) 4. (X)

- 5. (1) 6. (1)
- B) 1. The light intensity of the lamps will not be affected by increasing the number of the connected lamps.
 - The filament will burn.
 - 3. The moon light turns to be faint without being eclipsed.

Cairo - El Sheroug Zone - Mena Language School

- A)1. third class lever
 - 2. electric lamp
- electric burn
- solar eclipse
- photosynthesis
- B) effort force × its arm = resistance × its arm

$$200 \times 50 = 1000 \times its arm$$

- 2 A)1. Seasaw pliers
 - effort force x its arm = resistance x its arm
- 4. copper iron
- B) Answer by yourself.

- 3 A)1. To connect the lamp to the electric circuit. To avoid occurrence of electric fires.
 - B)1. light
- 2. two
- argon
- 4 parallel
- root hair
- **△** A) 1. (X) 2. (✓) 3. (✓) 4. (X)
- B) 1. The filament will melt at high temperatures.
 - The filament will burn.

Giza - Dokki Educational Directorate

- A)1. Nutcracker
- 2. plastic
- 3. middle
- 4. electric fira
- B) a. effort force × its arm = resistance × its arm $10 \times 10 = 20 \times \text{rts arm}$

$$\therefore \text{ resistance arm} = \frac{10 \times 10}{20} = 5 \text{ cm}$$

- b. The lever saves effort, because the force arm is longer than resistance arm.
- C)1. The moon light turns to be faint without being eclipsed.
 - 2. The filament will melt
 - 3. The root hairs can't control passing of some types of salts according to the plant's need.
- 2 A)1. first second
- 2. parallel
- 3. electricity
- 4 moon earth
- B) 1. battery
- 2. lamp
- 3. electnc wires
 - 4. switch
- C) Answer by yourself.
- A)1. Because, water is a good conductor of electricity.
 - 2. To control opening and closing the electric circuit.
 - 3. Because, the sun emits harmful rays to the eye that may cause blindness.
 - 4. Because, in the first levers only, the effort arm may be equal to resistance arm.
- B)1. glass bulb *
- 2. argon gas
- filament
- base of light bulb
- A)1. fulcrum
- penumbra
- electric insulators
 - series connection
- B) 1. electric fire
- argon
- 3. solar C) Answer by yourself.
 - copper
- Giza Giza Educational Administration Orman Language School
- A)1. second first
 - 2. mercury vapor
 - electricity
- 4. moon
- stomata

- B)1. The effort force is more than the resistance force and this lever doesn't conserve effort.
 - The light intensity of lamps will not be affected.
- 1. mercury vapor
- 2. sweet holder
- 3. third
- 4. tungsten
- shoot system
- B A)1. electric lamp
 - 2 electric fires
- 3. total lunar eclipse
- 4. fulcrum
- 5. epidermis
- 4 A)1. third
- 2. total
- 3 first
 - B)1. (A) series
 - (B) parallel

B) Answer by yourself.

Answer by yourself.

Glas - Abo El-Nomreus Educational Zone - Ahmos Language School

- A)1. glass bulb the base of light bulb
 - 2. don't play with electric connection don't insert metallic object in socket
 - 3. moon earth
- 4. moon
 - 5. photosynthesis B) 1, 2nd class lever
 - 2. 3rd class lever
 - 2nd class lever
 - 4. 3rd class lever
 - 2nd class lever
 - 2nd class lever
- A) 1. electric lamp

 - 3. solar eclipse 2 electric fires
 - B) 1, electric conductor
 - 2 senes
- 3. second
- 4. dark
- vapor
- 3 A) 1. total lunar eclipse
 - 2. a good conductor of electricity
 - 3. mercury vapor
 - penumbra
 - B)1. Because, the effort arm is always longer than the resistance arm, so the effort force is always smaller than resistance force.
 - 2. Because, the sun emits harmful rays to the eye that may cause blindness.
 - 3. To allow the root hair to control the passing of some types of salts according to the plant's need.
- 4 A) Answer by yourself.
 - B) 1. c
- 2.a

C)

Osmosis reature	Selective permasonity
It is the transmission of water molecules through semi-permeable membrane from an area with high concentration of water to area of low concentration.	it is a process by which the cell membrane of root hair allows some types of salts to pass according to the plant's need.

Gize - Boulek El-Dekreur Administration - Der El-Hanan Language School

- A)1. tungsten melting point
 - electric bum
- 3. partial lunar eclipse
- 4. epidermis cytoplasm
- B)1. Because, the sun emits harmful rays to the eye that may cause blindness
 - 2. To protect the filament from burning so the lifetime of the filament increases.
- 2 A) 1. lever
- 2, third class lever
- 3. parallel
- 4. total solar eclipse
- B)1. Some of them conserve effort
 - 2. Allow the plant to get nd of excess water through transpiration process.
- A) Answer by yourself
 - 8) 1. light
- copper
- umbra
- 4. carbon dioxide

4

A)

P.O.C.	2nd class levers	3rd class levers
Definition	They are levers that have the resistance force between effort force and fulcrum.	They are levers that have the effort force between the resistance force and fulcrum.
Example	Nutcracker	Hockey bat

- B) 1. The filament will burn.
 - 2. This causes electric shock.

Alexandrin - Al-Montazak Directorate - El-Rahman Language School

- A)1. electric current
 - 2, third class lever
- penumbra
- 4. senes connection
- 5. force arm
- 6. electric circuit
- B)1. To prevent turning off all the lamps of the house when one lamp is damaged.
 - 2. Because, the Earth has a great size relative to the moon
 - 3. Because, it has fulcrum between the effort force and resistance.



بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع

- 2 A)1. The effort force will equal the resistance force and the lever doesn't conserve effort.
 - 2. Partial lunar eclipse occurs.
 - Filament will melt.
 - B) Answer by yourself.
- 3 1. argon gas mercury vapor
 - 2, 7 min and fourty seconds 2 hours
 - electric shock electric fires
 - 4. rigid fulcrum
- Second first
- spiral two side nails
- A) 1. water
- 2. electric fire
- 3. red
- 4. Second class
- Switch
- 6. transpiration
- B) It is astronomical phenomenon which occurs when the Earth, the moon and the sun are nearly on one straight line with moon in the middle.
- C) 1. filament
- glass bulb
- 3. base
- 4. piece of lead
- 5. copper wires 6 argon gas

Alexandria - Al-Montazah Directorate

- A) 1. Third Second
- 2. Series parallel
- 3. glass bulb base of light bulb
 - 5. Osmosis feature
- 4. moon Earth B) Answer by yourself.
- 2 A) 1. increase
- 2. middle
- Archimedes
- 4. fulcrum
- B)1. Because, it has high melting point.
 - 2. Because, sometimes in the first class levers, the effort arm is longer than the resistance arm.
 - To control opening and closing the stoma.
- 3 A) 1. electric lamp 2. manual broom

 - total lunar eclipse
 - 4. electric fire
 - B)1. Third
- Because, the effort arm is always shorter. than the resistance arm, so the effort force is always larger than resistance.
- 4 A) 1. mercury vapor 2. seven minutes
 - second
- decreases
- selective permeability B) Answer by yourself.
- Dakahlia Dakahlia Educational Directorate
- A) 1. electric burn
- solar eclipse
- newton
- good conductors
- 5. parallel
- first class lever
- transpiration

- B) Answer by yourself.
- C)1, increasing force
 - avoiding dangers
- 23 A)1, middle
- argon
- manual broom
- 4. shock
- 5. (a),(b),(c)
- 6. rubber
- endodermis
- B) Answer by yourself.
- B A)1. Earth moon sun
 - tungsten high melting
 - 3. senes 4. umbra
 - good conductor
 - B)1. The moon tends to be faint without being eclipsed.
 - 2. The other lamps in the circuit will not be affected.
 - Answer by yourself.
- 4 A) 1. (X)
- 2. (X)
- 3. (X) 4. (V)
- 6. (X) 5. 🗸
- B)1. base of the bulb 2. copper wires
 - 3. glass bulb
- 4. argon gas
- C)1. battery
- 2. lamp
- 3. switch
- 4. electric wires
- Kafr El-Sheikh Directorate of Education
- A)1. 2
- 2. tungsten
- 3. first
- 4. during day
- transpiration
- B)1. (a) open electric circuit
 - (B) closed electric circuit
 - 2. The electric current will not flow through wires.
- 2 A)1. b

- B)1. electric conductors
 - 2. indirect injunes
 - 3. stomata
- A)1. To protect the filament from burning and increases its lifetime.
 - Because, in second class lever the force arm is always longer than the resistance arm so the force is always less than the resistance.
 - B) 1. parallel becomes faint
- 2. lunar
 - 4. argon
- carboon dioxide
- 2. (V) 3. (X)
- (X) A) 1. (X) B) 1. earth - red
 - 2. selective permeability



بموقع ذاكروني التعليمي ولا يسمح بتداوله على مواقع

Beheira . Science Supervision 114

- A) 1. second class
 - 2 fulcrum
- 3. series
- partial lunar
- B) 1. Because the sun emits harmful rays as (UV - IR) that cause blindness.
 - Because they are used in:
 - Increasing the speed.
 - Increasing the distance.
 - Avoiding dangers.
 - Preserving accuracy in performance.
- A) 1. Resistance arm.
 - First class levers.
 - Electric burns.
 - Solar eclipse.
 - B) 1. The lever does not save effort.
 - Electric shock will occur.
- 3 A) 1. argon
- 2. middle
- tungsten
- 4. first
- selective permeability
- B) 1. It prevents air from reaching the filament to protect it from burning.
 - It always saves effort.
- 🔼 A) 1. year
- 2. light
- copper
- 4. 7 minutes
- transpiration
- B) Answer by yourself.

13 Baheiru - Kofr El-Duwar Educational Zona - El-Safora Private Sch

- A) 1. less
- 2. electric shock
- total lunar eclipse
- 4. epidermis layer
- B) force x its arm = resistance x its arm

$$200 \times 2 = R \times 4$$

$$R = \frac{200 \times 2}{4} = 100 \text{ N}$$

- F > R :. It doesn't conserve effort.
- 2 A) 1. solar eclipse
- resistance arm
- electric burns
- 4. partial lunar eclipse
- transpiration process
- B) 1. You will get an electric shock.
 - The lever becomes unbalanced.
- 3 A) 1 c) full moon
 - 2 c) wheel barrow
 - 3 a) twice per year.
 - 4 c) Archimedes
 - B) Answer by yourself.

A) 1. Glass bulb

- Function: It prevents air from reaching the filament to protect it from burning
- 2. Tungsten filament.
 - Function: It is heated till it glows and emits light when electric current passes through the filament.
- The base of lamp.
 - Function: It cames the light bulb in an upright position.
 - It connects the light bulb to the electric circuit.
- B) 1. Answer by yourself.
 - 2 To avoid electric fires.
 - Because the sun emits harmful rays as (UV - IR) that cause blindness.

Demistre - Directorate of Education - Official Language Schools

A) 1. Argon - mercury vapor.

- effort force resistance force.
- 3. partial lunar eclipse, annular solar eclipse.
- 4. tungsten, melting point
- B) 1. The fire won't be put out and it might increase.
 - Light intensity will decrease by increasing the number of lamps and all the lamps will be turned off if one lamp is burned.

2 A) 1. electric burns

- electric conductors
- total solar eclipse
- 4. series connection
- B) 1. simple electric circuit

 - 2. 1. electric wire 2. switch (key
 - 3, battery
- 4. electric lamp
- 3. closed.
- A) 1 b) the wheel barrow
 - 2 a) longer than
 - 3 a) first.
 - 4 c) annular
 - To connect the lamp with electric circuit
 - Because the effort force is always greater than resistance force.
 - To allow water to transmit from the soil (high concentration of water) to root hairs (less concentration of water) by the osmosis feature.

A) Answer by yourself.

- B) 1. per year
- partial
- 3. sand
- second
- semi permeable
- C) Answer by yourself

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أ

15 Sharkia Sharkia Educational Directorate

- 1 1. fulcrum
- 2. third class levers
- second class levers.
- 4. electric lamp
- electric conductors
- 6. lunar eclipse
- 7. stomata
- 2 A) 1. first
- 2. middle
- decreases
- B) 1. Because it has a high melting point that prevents the filament from melting at high temperature.
 - 2. Because water is a good conductor of electricity, so it will increase the fire.
 - Because the sun emits harmful rays as (UV - IR) that cause blindness.
- A) 1. force, distance
- 2. battery, wire
- 3. wood, plastic
- total lunar eclipse, partial lunar eclipse
- B) 1. Effort force x its arm =

the resistance force x its arm

2. 200 1000 x Rarm R arm =

1. first class levers

- 2. third class levers
- argon gas
- 4. parallel
- 5. electric shock
- 6. red
- carbon dioxide

16 Port Said - Directorate of Education - Inspectorate of Science:

- 1. second
- 2. argon
- 3. moon, earth
- 4. parallel
- 5. third
- 6. two guard cells
- A) 1. (c) tungsten
- 2. (c) scissors
- 3. (c) copper B) 1. c
- 4. (a) first
- 3. b
- A) 1. partial lunar eclipse 2. electric fires
 - lever
 - B) 1. solar
- 2. series
- longer
- A) 1. Because water is a good conductor of electricity, so it will increase the fire.

- Due to the osmosis feature which allows the transmission of water through a semi-permeable membrane from an area of high concentration of water to a lower one.
- B) Total lunar eclipse will occur.
- C) Effort force × its arm =

the resistance force x its arm

50 = x Rarm 200 1000

R arm = $\frac{200 \times 50}{1000}$ = 10 cm

- D) 1. lamp
- 2. electric wire
- switch (key) 4. battery

17 South Sinai - Science Supervision

- A) 1. effort force, resistance force
 - 2. wood, plastic
 - battery
 - 4. moon, earth
 - electric burns
 - 6. third class
 - B) 1. Because water is a good conductor of electricity, so it will increase the fire.
 - 2. Because they are used in:
 - Increasing the speed.
 - Increasing the distance.
 - Avoiding dangers.
 - Preserving accuracy in performance.
 - Because it helps the plant to get rid of excess water by transpiration process
- 2 A) 1, wheelbarrow.
 - 2. remains as it is
 - 3. iron
 - crow bar
 - 5. light
 - 6. less than
 - B) 1. Don't use one socket for many devices at the same time.
 - Don't insert metal objects in electric sockets.
 - 3. Don't play with electric connections
 - C) 1. sun
- 2. moon
- 3. umbra (full shadow)
- penumbra (partial shadow)
- 3 A) 1. (X)
- 2. (X)
- 3. (1)

- 4. (1)
- 5. (X)
- 6. (X)

بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع

B)

Total lunar eclipse	Partial lunar eclipse
It is the lunar eclipse which happens when the whole moon falls in the shadow area (umbra) of the earth	It is the lunar eclipse which happens when a part of the moon lies in the shadow (umbra) area of earth and the other part lies in the semi- shadow (penumbra) area of the earth
We can't see the moon completely.	We can't see a part of the moon.
C) 1. e 2. c	3. d 4.a

- 4 A) 1. second class levers
 - 2. the tungsten filament
 - 3. series connection
 - 4. fulcrum
 - 5. electric shock
 - 6. first class levers
 - B) F xFarm = R x Rarm

$$48 \times 4 = R \times 6$$

- C) 1. The light intensity will decrease by increasing the number of lamps and if one lamp is burned all the lamps will be turned off
 - 2. The moon will be faint without being eclipsed.
 - 3. This will lead to burning of the filament.
 - 4. This will lead to electric fires.

18 Fayoum - Science Supervision

- A) 1. (a) first.
- (b) argon.
- 3. (b) moon, the earth, the sun.
- 4. (b) second.
- (c) semipermeable.
- B) Effort force x its arm = Resistance force

x its arm

Resistance arm =
$$\frac{100 \times 200}{500} = 40 \text{ cm}$$

- A) 1. series connection
 - Total lunar eclipse
 - Electric burns
- Fulcrum
- B) 1. Because it has a high melting point that prevents the filament from melting at high temperature.
 - Because the sun emits harmful rays as (UV - IR).

- 3. Due to the osmosis feature which allows the transmission of water from an area of high concentration of water to an area of low concentration of water.
- 3 A) 1. (V)

- 2. (X) 3. (V) 4. (X)
- B) 1. Second class lever
 - 2. First class lever 3. Third class lever
- 4 A) 1. Iron copper
 - 2. Earth partial
 - 3. phosphoric mercury
 - 4. epidermis
 - B) 1. This is a third class lever that doesn't save effort.
 - 2. This might lead to electric fires.
 - 3. The tungsten filament will burn.

19 Assuit - Directorate of Education

- A) 1. First class lever
 - 2. Moon, earth
 - Conductors, insulators
 - 4. Third
 - B) Pith Xylem Endodermis Cortex -**Epidermis**
- 2 A) 1. (V) 2. (X) 3. (X) 4. (X)

- - B) 1. The fire won't be put out and it might increase.
 - 2. Light intensity decreases as the number of lamps increase and all the lamps will turned off if one lamp is burned
- 3 A)1. parallel connection
 - partial lunar eclipse
 - Electric burns
- 4. Third class levers
 - B) 1. Because the sun emits harmful rays as (UV - IR).
 - 2. Because sometimes the arm of force is longer than the arm of the resistance.
- A) 1. light bulb
 - 2. (1) Tungsten filament
 - (2) Thin glass bulb
 - (3) The base of lamp
 - B) FxFarm = R x Rarm

Resistance =
$$\frac{50 \times 20}{5}$$
 = 200 N



20 Qena - Qena Educational Administration

- 1 A) 1. Flow
- 2. Second
- 3. decreases
- 4. third
- 5. Stomata
- B) 1. It is a rigid bar that rotates around a fixed point called fulcrum and is affected by effort force and resistance force.
 - It is the astronomical phenomenon which occurs when Earth, Moon and Sun are nearly on one straight line with moon in the middle.
- 2 A) 1, two hours
- 2. argon
- 3. total and partial 4. tungsten
- Xylem vessels
- B) 1. To avoid occurrence of electric fires.
 - Because sometimes in the 1st class levers the effort arm is longer than resistance arm.
- 3 1. (X)
- 2. (1)
- 3. (1)

- 4. (X) 5. (V)
- 6. (X)
- 7. (1)
- 4 A) 1. electric shock 2. Fluorescent lamp

 - B) effort force x its arm = resistance x its arm $30 \times 20 = 20 \times its arm$
 - 30 x 20 ∴ Resistance arm = -20
 - C) Answer by yourself.

Qena - Qena Directorate of Education

- A) 1. fulcrum
 - series connection.
 - electric burn
- 4. total lunar eclipse
- B) 1. The fire will increase and could harm the rescuers as water is good conductor of electricity.
 - 2. Answer by yourself.
- A) 1. first Second
- 2. electric light
- 3. Osmosis
- B) 1. iron
- 2. tungsten
- 3. red
- 4. first
- **E** A) 1. (X) 4. (X)
- 2. (X) 5. (X)
- 3. (1) 6. (1)
- B) 1. Because, the effort arm is always longer than the resistance arm.
 - To avoid occurrence of electric shock.
 - Answer by yourself.

- A) effort force x its arm = resistance x its arm $100 \times 25 = 500 \times its arm$
 - :. Resistance arm = 100 x 25
 - B) 1. battery
- 2. switch
- electric wire

22 Sohag - Akhmeem Educational Management

- 1. increasing force increasing speed
 - force arm = resistance arm
 - tungsten melting point
 - 4. series parallel
- 5. partial solar moon
- middle
- 2 1. (X) 4. (X)
- 2. (X) 5. (X)
- 3. (X) 6. (X)
- 3 A) 1. Fulcrum
- 2. Second class
- 3. electric lamp
- 4. electric burn
- 5. transpiration
- B) Answer by yourself.
- A) Answer by yourself.
 - B) 1. The filament will burn.
 - The fire will increase and could harm the rescuers.
 - The lunar eclipse occurs.
 - 4. Water can't be transported from soil to the root hair.

Sohag - Sohag Educational Zone

- A) 1. effort arm resistance arm
 - 2. strength of electricity time taken by electricity through human body.
 - mercury vapor phosphoric
 - 4. stomata
 - B) 1. Because, the force arm is always longer. than the resistance arm.
 - To prevent turning off all the lamps of the house when one lamp is damaged.
- 2 A) 1. Lever
- electric conductors 4. electric lamp
- electric burn
 - 5. 3rd class lever
- B) Answer by yourself
- 3 A) 1. moon
 - B) 1. (🗸)

2. Sun

2. (X) 3. (V) 4. (V)

3. Earth

- A) Answer by yourself.
 - B) 1. two hours
- Solar
- electric shock

24 Luxor - Luxor Educational Zone

- A) 1. 7 minutes and 40 seconds
 - 2. middle
- tungsten
- 4. hockey bat
- 5. root hairs
- B) 1. This causes electric shock.
 - 2. Harm the retina of the eye that may cause blindness
- 1. electric light
- Series parallel
- 3. first hockey bat 4. moon earth
- 5. copper iron
- argon mercury vapor
- 3 A) 1. resistance arm
- 2. Fulcrum
 - 3. electric burn
 - 4. Annular solar eclipse
 - B) 1. Because it always has effort arm longer than resistance force.
 - 2. Due to the refraction of some infrared rays that are not absorbed by earth's atmosphere.
- A) 1. series
- 2. electric fire
- 3. lunar
- 4. filament
- 5. leave
- B) effort force x its arm = resistance x its arm

$$50 \times 20 = resistance \times 5$$

25 Aswan - Aswan Educational Directorate

- A) 1. first third
- argon
- 3. good conductor of electricity
- 4. force arm resistance arm
- 5. stomata
- B) Answer by yourself.
- 2 A) 1. light
- 2. series
- vapor
- B) 1. Because the sun emits harmful radiations as (UV - IR) that cause blindness.

- To avoid electric shock.
- C) Answer by yourself.
- 3 A) 1. (✓) 2. (✗) 3. (✓)
 - B) 1. It will melt.
- 2. The light intensity will decrease by increasing the number of lamps and if one lamp is burned all the lamps will be turned off.
- A) 1. total lunar ellipse
 - 2. electric burns
- 3. fulcrum
- 4. electric fires
- B) 1. d
- 2. a
- 3. b
- 4. C



رقم الإيسداع، 2019/21884

ترخيص وزارة التربية والتعليم رقم 330/2/1/102